



ANNUAL REPORT
OF THE
HEALTH COMMISSIONER,
CITY OF ST. LOUIS.
1891 - 92.
WM. N. BRENNAN, Commissioner.

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ANNUAL REPORT OF THE HEALTH COMMISSIONER.

OFFICE OF THE HEALTH COMMISSIONER, }
St. Louis, May 5th, 1892. }

Hon. Edward A. Noonan, Mayor:

DEAR SIR — I have the honor to herewith submit the report of the Health Commissioner for the fiscal year 1891-92.

As the fiscal year had ended when I assumed charge of the Health Department, my report being taken simply from the records, must necessarily be brief:

Although there is an increase in the number of deaths over the previous year, the year 1891, with the death rate of 20.71 per 1000 inhabitants, may be considered as healthy; the calculations being based upon an estimated population of only 460,000, instead of 525,000, which in my opinion is a more correct estimate.

CITY HOSPITAL.

The report from the Superintendent of this Institution, sets forth at length the valuable work done during the past year; the statistics are accurate and complete, showing the extent of the hospital work.

When the finances of the city permit, I would recommend the building of a new hospital with all the modern improvements.

FEMALE HOSPITAL.

The report from this institution shows the large number of cases of all classes and conditions treated there.

Among the needed improvements, a separate building for lying-in-women; the erection of coal sheds and "stand pipes" with hose attachments connected with the boiler house, are urgently required.

The other minor improvements and repairs are contained in the report of the Superintendent.

INSANE ASYLUM.

The report of the Superintendent, strikingly calls attention to the terribly overcrowded condition of this institution; until the new building for the insane on the Poor House grounds is completed, this complaint must exist; I would strongly urge the necessity of expediting the work.

The needed improvements are set forth in the report of the Superintendent.

POOR HOUSE.

The report from this Institution in a very complete manner, exhibits the financial condition and imparts statistical information relative to the conditions and classes of patients cared for at the "Home of Charity."

The suggestions of the Superintendent show what is needed there; the new building for the insane referred to above, is nearing completion.

QUARANTINE AND SMALL POX HOSPITAL.

The report of the Steward in charge, is not only satisfactory, but the ideas therein expressed exhibit an intelligent conception of the proper methods of treating that dread disease — small pox. The hospital is in an excellent condition.

The accompanying report of the physician, shows the creditable professional success in the treatment of patients.

REPORT OF THE CHIEF SANITARY OFFICER.

The full and exhaustive report of this officer is an excellent resume of the work done by this important branch of the Health Department. Measures preventative against disease, are not appreciated as much as those tending towards its cure, hence sanitary work or "preventative measures," has not the hearty co-operation of public opinion, that it undoubtedly deserves.

The masses require education on this important point, that they may arrive at a correct understanding of the utility of sanitary and hygienic surroundings and a proper conception of the fact, that "prevention is worth tons of cure."

CLERK OF THE HEALTH COMMISSIONER AND BOARD OF HEALTH.

The statistical report of this officer is a clear exposition of the causes of mortality during the year and speaks well for the general health of the city; it will be noticed that only 20 cases of small pox occurred in comparison with 56 cases the year previous. The amount of bovine vaccine virus used during the past year was 24,720 points, of which 14,754 points were used in the schools, both public and parochial; of these 9,940 were primary and 4,814 secondary vaccinations.

CITY DISPENSARY.

The report of the Chief Dispensary Physician shows the important work accomplished in this division of the Department. The Dispensary is the "gateway" to all the institutions and the greatest care is necessary in the administration of its affairs.

The ambulance service is good, but could be improved by the addition of two more ambulances.

MEAT INSPECTORS.

The report of the Secretary of the Meat Inspectors gives full information as to the amount of work done by this department.

Legislation is needed, giving the Inspectors enlarged powers in the fulfillment of their duties.

REPORTS OF SUPERINTENDENTS AND OTHER OFFICERS.

I have the honor to herewith transmit the reports of the Superintendents of the Insane Asylum, City Hospital, Female Hospital, Poor House, Steward and Physician at Quarantine and Small Pox Hospital, Chief Sanitary Officer, Clerk Health Commissioner and Board of Health, Dispensary Physicians and Meat Inspectors.

The Health Department is making active efforts to prevent, as far as possible, all contagious and infectious diseases. It is the intention and aim to make St. Louis as healthy a city as there is in the United States; with the natural advantages that surround us, I think this result will be readily achieved.

In conclusion, I desire to assure you, that when you did me the honor of intrusting to my care so responsible a department as that of Health, I assumed the charge mindful of the important requirements to properly administer upon affairs, which demand the "greatest good to the greatest number." With this end in view, I have the honor to be,

Very respectfully,

WM. N. BRENNAN, M. D.,

Health Commissioner.

TWENTY-THIRD ANNUAL REPORT
OF THE
SUPERINTENDENT

OF THE
St. Louis Insane Asylum.

OFFICERS.

ERNST MUELLER, M. D., Superintendent.

GUSTAV A. HERRMANN, First Assistant Physician.

GEORGE L. KEARNEY, Second Assistant Physician.

RODNEY WYMAN, Chief Clerk.

ST. LOUIS:
NIXON-JONES PRINTING CO.
1892.

ANNUAL REPORT
OF THE
ST. LOUIS INSANE ASYLUM

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For the Fiscal Year Ending March 31, 1892.

Office of St. Louis Insane Asylum, }
April, 1892. }

Dr. Wm. N. Brennan, Health Commissioner:

SIR—I herewith submit the annual report of the Insane Asylum for the last fiscal year. The number of patients remaining on March 31, 1892, was 521,—199 males and 322 females. As I have been in charge of the institution but a short time, since the 21st of last month, I have no personal knowledge of its workings during the past year, and must refer you for the necessary information to the appended tables, prepared from the records in the usual manner. I will say, however, that I do not consider the information contained in some of the tables as very reliable.

As you know, owing to the late political squabbles, and more especially as a result of the dilatory methods adopted by the late chairman of the Council Committee on Sanitary Affairs, this institution has been running along without a responsible head, and, I am free to say, not at all to its advantage, for a period of nearly 10 months. On the 28th of May, 1891, my genial friend and predecessor, Dr. Le Grand Atwood, resigned his trust to accept the position of Superintendent of the State Asylum No. 1, at Fulton, Mo. The interregnum hereby occasioned, the temporary, illegal and irresponsible character of the management following the departure of Dr. Atwood, necessarily exerted an influence more or less detrimental to the welfare of the patients intrusted to its care.

No progress has been made for a year, no persistent or concerted effort to elevate this Asylum to the standard attained by similar institutions; I am informed that no improvements of any consequence have been undertaken, although recommendations to that effect were made by some of the officials.

The rooms in the east and west wings formerly used as water-closets and bath rooms, and which have not been in use for the last 15 months, should be put in order without delay. If this is done, it would give us increased sleeping facilities for at least 40 patients, and would thus slightly relieve the very much overcrowded condition of the bedrooms.

In former reports and communications the attention of the authorities has been repeatedly called to the overcrowded condition of this Asylum, and it would seem almost superfluous to again speak of it, in view of the fact that the construction of a new building on the Poor House grounds, intended for the reception of 250 chronic insane patients, has been under way for a period of nearly two years.

The overcrowding is most noticeable in the west wing of the main building, containing the greater part of the female population. As this subject of overcrowding has been, however, discussed almost ad nauseam for years, I will here confine myself to a few simple statements.

Nearly 100 women patients have their beds made on the floor every night, there being no room for bedsteads; the rooms originally set apart for day sitting rooms have long ago been turned into bedrooms, thus compelling most of the inmates to pass the greater part of the day on the bare and cheerless corridors; about 70 patients, mostly demented old women and idiotic children, are still sheltered in the miserable fire-trap known as the cottages, which should be abandoned altogether.

Under the existing circumstances it is next to impossible to give proper care and treatment to those who are most in need of it. If a patient becomes unruly or noisy at night, it is often found necessary to give sleeping draughts, or to resort to the various forms of mechanical restraint, simply to prevent other patients from being disturbed, as with the large numbers at present confined here, isolation and proper classification for all is out of the question. This state of affairs should not be allowed to exist any longer; the new building on the Poor House grounds should be pushed to completion and furnished as soon as possible; the delay in getting this building ready for occupancy has been extraordinary; there is no apparent good reason why it should not have been finished nearly a year ago.

You are possibly aware, that this Asylum is in many respects away behind similar institutions, and that probably less money is being expended for improvements than on any other Asylum in the United States with an equal number of inmates. Ideas in regard to the care and treatment of the insane have undergone material changes within a comparatively short period, and much remains to be done, to bring this institution up to the requirements of a modern hospital for the treatment of mental diseases.

At present only a limited number of patients are employed in various ways, some in cleaning and other usually uncongenial work on the halls and other parts of the building, others work in the kitchen, in the dining rooms, sewing room, laundry, engine room, and some few are engaged in outside work about the grounds. It would be of the greatest possible benefit to find suitable employment for larger numbers. This could be done by establishing shops representing different trades; if started in a small way, the expense need not be great. It is also desirable to increase the area at present available for agricultural and horticultural purposes by the purchase of adjoining real estate, so as to give a greater number of our inmates an opportunity to engage in farm and garden work, a most healthful occupation for the mentally afflicted.

The existing provisions for the entertainment of patients are also entirely inadequate. More diversion is needed to relieve the monotony of their existence, and to change the character of the whole institution, which unfortunately bears too much resemblance to that of a jail. The present ball-room can be easily transformed into a general amusement and reading room, and a library may be established in connection with it. In this undertaking the publishers of newspapers and periodicals in this section of the country might assist us very materially and earn our gratitude by regularly furnishing the Asylum with copies of their respective publications gratis, with the understanding that the arrangement is to be for the sole benefit of the patients. It is also hoped, that Mr. Joseph B. McCullagh, editor of the *Globe-Democrat*, will continue his noble work of furnishing the institution with books and magazines, engravings, etc., as he has done for years past, and that many others will follow his example. All reading matter of any value will henceforth be carefully preserved, and incorporated into the Asylum Library. We are also in need of furniture, pictures, etc., for the lower halls, so as to make them appear more home-like and attractive. Many minor changes and improvements, not calling for any additional expense, are in contemplation, which, when carried out, will prove beneficial to all concerned.

The corps of attendants at present employed here, is with some exceptions, composed of satisfactory material, although the training is deficient in certain directions; this it will take time and earnest and persistent effort and study on the part of the officers as well as the attendants, to rectify. Every vestige of the notion, that attendants on the insane are nothing more than keepers, must be eradicated, and supplanted by more humane and modern ideas. This may be the proper place to inform you, that amongst the forty-one attendants on the insane at present employed in this institution, there is not one who is able to speak the German language. This I believe to be an injustice to the comparatively large number of patients, especially women, who are unable to converse in any other tongue. I hope the defect will be remedied in the near future by the appointment of at least two attendants of each sex, who can speak both languages.

Associate patients dining rooms are a desideratum. Good and sufficient reasons for their establishment have been advanced in previous reports. It would require the construction of a one or two story addition to both the male and female wings.

The colored patients of all classes have so far been occupying apartments on the same corridor with the filthy and disorderly class of white patients, which arrangement has many disadvantages, and is not conducive to the comfort, nor is it likely to promote the welfare of the members of either race; in fact many of the patients strongly object to it, and complaints are frequent. I therefore recommend that a suitable building be constructed, with sufficient sleeping room to accommodate at least fifty colored patients. If it is not deemed advisable to put up a separate structure, the second floor of the prospective additions for associate dining rooms might be fitted up for their use.

I am informed by the chief engineer, that the heating apparatus throughout the building, the indirect system in use in the wings, as well as the direct system in the center building is worn out, and cannot be relied upon to furnish the necessary heat for another winter. Accordingly provisions should be made at once, in a special appropriation, for the renewal of the entire heating apparatus.

There is also immediate and urgent need for two new boilers to supply hot water to the halls. One of the old boilers has been already thrown out as worthless some time ago; the other one is worn out and dangerous, and may become absolutely unfit for further use at any minute. This matter demands immediate attention.

The system of pipes, water-closets, etc., in the center building is leaking, worn out and unsanitary, containing no back air vents. I understand that the whole outfit has been condemned as long as two or three years ago. Its replacement by a new system is a positive necessity.

A bath room and new water-closet is also greatly needed in the rear building.

The stone steps leading to the front porch of the main building need resetting and thorough overhauling.

The laying of granitoid pavement should be at least so far completed, as to replace the decayed wood flooring still in use in some parts of the basement.

The ceiling on some of the halls and in a number of rooms needs repairing.

A new coal shed must be built very soon, as the one now in use is rotten and dangerous.

The poultry house needs a new roof and ought to be repaired generally.

The lightning rods ought to be inspected.

Since my arrival here I have been ably assisted in the management of the medical department by Dr. George L. Kearney, assistant physician.

Dr. G. A. Herrmann, for several years one of the assistant physicians, severed his connection with the institution on the 10th inst.

Mr. Rodney Wyman, Chief Clerk, has also resigned his position, and will soon leave us. He has conducted the business affairs of the Asylum with marked ability and success since September, 1887.

Confidently hoping that, with your valuable co-operation, this institution will soon attain a high standard, so as to bear favorable comparison with the best of American Asylums,

I am, very respectfully,
ERNST MUELLER,
Superintendent.

TABLE NO. 1.

<i>Movement of Population.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Number at the beginning of the year.....	208	321	529
Admitted within the year.....	118	118	236
Whole number treated within the year.....	326	439	765
Discharged, recovered.....	27	31	58
Discharged, improved.....	12	9	21
Discharged, unimproved.....	4	4	8
Died.....	28	27	55
Transferred to Insane Department, St. Louis Poor House.....	55	44	99
Discharged, not insane.....	1	1	2
Eloped.....	0	1	1
Total.....	127	117	244
Remaining in asylum, March 31, 1892.....	199	322	521
Average daily number present.....	202 $\frac{1}{3}$	326 $\frac{1}{3}$	529 $\frac{2}{3}$

TABLE NO. 2.

<i>Ages of those admitted within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Less than 10 years.....	1	0	1
Between 10 and 20 years.....	7	8	15
Between 20 and 30 years.....	35	28	63
Between 30 and 40 years.....	40	45	85
Between 40 and 50 years.....	18	17	35
Between 50 and 60 years.....	11	7	18
Between 60 and 70 years.....	5	8	13
Between 70 and 80 years.....	1	3	4
Between 80 and 90 years.....	0	2	2
Total.....	118	118	236

TABLE NO. 3.

<i>Forms of insanity of those admitted within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Dementia.....	2	5	7
Dementia, senile.....	7	7	14
Dementia, acute.....	1	0	1
Dementia, chronic.....	5	5	10
General paralysis of the insane.....	1	0	1
Imbecility.....	1	0	1
Mania, acute.....	50	52	102
Mania, chronic.....	25	23	48
Mania, epileptic.....	8	4	12
Mania, recurrent.....	13	13	26
Melancholia.....	0	3	3
Melancholia, acute.....	0	4	4
Melancholia, chronic.....	0	1	1
Monomania.....	4	1	5
Not insane (and discharged so).....	1	0	1
Total.....	118	118	236

TABLE NO. 4.

<i>Supposed causes of insanity of those admitted within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Domestic trouble.....	2	7	9
Epilepsy.....	6	2	8
Excessive use of tobacco.....	3	0	3
Excessive venery.....	1	2	3
Fright.....	1	2	3
Grief.....	3	5	8
Heredity.....	3	6	9
Intemperance.....	26	11	37
Injury to head.....	5	1	6
Jealousy.....	0	1	1
La Grippe.....	0	3	3
Lead poisoning.....	1	0	1
Masturbation.....	1	0	1
Meningitis.....	1	0	1
Meno-pause.....	0	1	1
Menstrual trouble.....	0	9	9
Morphine.....	0	1	1
Not insane (and discharged so).....	1	0	1
Parturition.....	0	6	6
Pecuniary embarrassment.....	2	2	4
Poverty.....	1	2	3
Puerperal state.....	0	4	4
Religious excitement.....	3	9	12
Senility.....	1	4	5
Sickness.....	1	3	4
Sunstroke.....	3	0	3

Syphilis.....	3	1	4
Terror.....	1	0	1
Unrequited affection.....	2	1	3
Uterine derangement.....	0	4	4
Urinary trouble.....	0	1	1
Unknown.....	47	30	77
Total.....	118	118	236

TABLE NO. 5.

*Hereditary influences in direct and collateral branches
of those admitted within the year.*

	Males.	Females.	Total.
Paternal side.			
Father.....	1	3	4
Father and uncle.....	1	0	1
Maternal side.			
Mother.....	1	1	2
Sister.....	0	5	5
Uncle.....	2	2	4
Two aunts.....	1	0	1
Cousin.....	0	1	1
Grandmother.....	0	1	1
Relatives.			
Brother.....	1	2	3
Cousin.....	0	1	1
Aunt and cousin.....	0	1	1
Aunt.....	5	2	7
Nephews.....	0	1	1
None.....	31	37	68
Not ascertained.....	75	61	136
Total.....	118	118	236

TABLE NO. 6.

*Social condition of those admitted within the
year.*

	Males.	Females.	Total.
Single.....	75	44	119
Married.....	32	49	81
Widowed.....	8	23	31
Not ascertained.....	3	2	5
Total.....	118	118	236

TABLE NO. 7.

Occupation previous to admission of those admitted within the year.	Males.	Females.	Total.	Occupation previous to admission of those admitted within the year.	Males.	Females.	Total.
Agents.....	1	0	1	Correspondents.....	4	0	4
Barbers.....	1	0	1	Detectives.....	1	0	1
Bakers.....	2	0	2	Domestic services.....	0	36	36
Box-makers.....	2	0	2	Dressmakers.....	0	1	1
B'rding-house keepers..	0	3	3	Drivers.....	1	0	1
Boiler-makers.....	2	0	2	Engineers.....	3	0	3
Book-keepers.....	4	0	4	Farmers.....	2	0	2
Book-binders.....	1	0	1	Hatter.....	1	0	1
Bricklayers.....	1	0	1	Harness-makers.....	1	0	1
Carpenters.....	2	0	2	Hostlers.....	2	0	2
Clerks.....	6	1	7	Housewives.....	0	36	36
Cigar-makers.....	1	0	1	Housekeepers.....	0	12	12
Coopers.....	1	0	1	Iron-workers.....	1	0	1
Cooks.....	0	1	1	Janitors.....	1	0	1

TABLE NO. 7— *Continued.*

<i>Occupation previous to admission of those admitted within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>	<i>Occupation previous to admission of those admitted within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Journalists.....	1	0	1	Riveters.....	1	0	1
Laborers.....	32	0	32	Roofers.....	1	0	1
Merchants.....	2	0	2	Salesmen.....	2	1	3
Miners.....	1	0	1	Saloon-keepers.....	3	0	3
Milliners.....	0	2	2	Seamstresses.....	0	1	1
Millers.....	1	0	1	Shoemakers.....	2	0	2
Moulders.....	1	0	1	Tailors.....	0	1	1
Painters.....	3	0	3	Telegraph operators....	1	0	1
Peddlers.....	1	0	1	Unknown.....	17	19	36
Physicians.....	1	0	1	Upholsterers.....	1	0	1
Plumbers.....	1	0	1	Waiters.....	1	0	1
Porters.....	1	0	1	Watchmakers.....	1	0	1
Pork packers.....	1	0	1				
Prostitutes.....	0	4	4	Total.....	118	118	236
Printers.....	1	0	1				

TABLE NO. 8.

<i>Nativity of those admitted within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>	<i>Nativity of those admitted within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Native:—				Native:—			
Alabama.....	1	0	1	Massachusetts.....	1	0	1
California.....	0	1	1	Mississippi.....	0	1	1
Georgia.....	1	0	1	Missouri.....	39	28	67
Illinois.....	4	6	10	New York.....	1	1	2
Indiana.....	3	3	6	Ohio.....	3	4	7
Iowa.....	0	3	3	Pennsylvania.....	5	1	6
Kentucky.....	0	2	2	Tennessee.....	3	1	4
Louisiana.....	2	2	4	Virginia.....	1	3	4
Maine.....	0	1	1	Unknown.....	3	6	9
Maryland.....	1	1	2				
Total native.....					68	64	132
Foreign:—				Foreign:—			
Bohemia.....	0	1	1	Ireland.....	14	18	32
Canada.....	2	1	3	Poland.....	2	1	3
England.....	4	2	6	Prussia.....	1	0	1
France.....	1	2	3	Sweden.....	1	0	1
Germany.....	22	27	49	Switzerland.....	2	0	2
Hungary.....	1	0	1	Scotland.....	0	1	1
Italy.....	0	1	1				
Total foreign.....					50	54	104

Summary.

Total native.....	68	64	132
Total foreign.....	50	54	104
Grand total.....	118	118	236

TABLE NO. 9.

<i>Duration of insanity before admission of those admitted within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Less than 1 month.....	10	17	27
From 1 to 2 months.....	3	4	7
From 2 to 3 months.....	4	8	12
From 3 to 6 months.....	7	6	13
From 6 to 9 months.....	4	5	9

From 1 to 2 years.....	4	9	13
From 2 to 3 years.....	5	6	11
From 3 to 4 years.....	2	3	5
From 4 to 5 years.....	1	3	4
More than 5 years.....	5	9	14
Unknown.....	73	48	121
Total.....	118	118	236

TABLE NO. 10.

<i>Suicidal and homicidal tendencies of those admitted within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Suicidal.....	4	10	14
Homicidal.....	10	15	25
Both.....	7	9	16
Neither ever manifested.....	97	84	181
Total.....	118	118	236

TABLE NO. 11.

<i>Form of insanity of those recovered within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Dementia.....	0	1	1
Mania, acute.....	19	17	36
Mania, chronic.....	1	5	6
Mania, epileptic.....	2	1	3
Mania, recurrent.....	4	4	8
Melancholia.....	1	3	4
Total.....	27	31	58

TABLE NO. 12.

<i>Duration of insanity of those recovered within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Less than one year.....	24	26	50
From one to two years.....	0	3	3
From two to three years.....	2	1	3
From three to four years.....	1	1	2
Total.....	27	31	58

TABLE NO. 13.

<i>Duration of treatment of those recovered within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Less than one month.....	7	5	12
From one to two months.....	8	6	14
From two to three months.....	1	3	4
From three to six months.....	5	9	14
From six to twelve months.....	4	5	9
From one to two years.....	0	1	1
From two to three years.....	2	1	3
From three to six years.....	0	1	1
Total.....	27	31	58

TABLE NO. 14.

<i>Causes of deaths occurring within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Cerebral apoplexy.....	1	3	4
Cerebral congestion.....	1	1	2
Cerebral embolism.....	0	1	1
Cerebral softening.....	7	3	10
Cirrhosis of liver.....	1	0	1
Diarrhœa, chronic.....	1	2	3

TABLE NO. 14— *Continued.*

<i>Causes of deaths occurring within the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Debility, senile.....	3	4	7
Exhaustion.....	1	0	1
Exhaustion, maniacal.....	6	6	12
Inanition.....	3	0	3
Influenza.....	0	2	2
Mitral disease of heart.....	0	1	1
Nephritis, acute.....	0	1	1
Nephritis, chronic.....	1	0	1
Paresis.....	1	0	1
Phthisis pulmonalis.....	0	3	3
Pulmonary hemorrhage.....	1	0	1
Uræmia.....	1	0	1
Total.....	28	27	55

TABLE NO. 15.

<i>Prospects of recovery of those remaining at the end of the year.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Favorable.....	10	15	25
Doubtful.....	7	6	13
Unfavorable.....	182	301	483
Total.....	199	322	521

TABLE NO. 16.

<i>Movement of whole population,</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Whole number of patients received since the opening of Asylum April 23, 1869.....	2,339	2,094	4,433
Discharged, recovered.....	614	483	1,097
Discharged, improved.....	230	231	461
Discharged, unimproved.....	186	188	374
Died.....	305	288	593
Transferred to Insane Department of the St. Louis Poor House.....	659	510	1,169
Transferred to Female Hospital.....	0	3	3
Transferred to City Hospital.....	1	0	1
Transferred to State Lunatic Asylum, Fulton, Missouri.....	15	16	31
Discharged not insane.....	128	52	180
Eloped.....	2	1	3
Total.....	2,140	1,772	3,912
Remaining March 31, 1892.....	199	322	521

TABLE NO. 17.

<i>Ages of 4,433 patients at time of admission.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Less than 10 years.....	16	16	32
From 10 to 20 years.....	159	148	307
From 20 to 30 years.....	651	579	1,230
From 30 to 40 years.....	613	532	1,145
From 40 to 50 years.....	461	392	853
From 50 to 60 years.....	227	190	417
From 60 to 70 years.....	92	102	194
From 70 to 80 years.....	27	46	73
From 80 to 90 years.....	5	13	18
From 90 to 100 years.....	0	1	1
Unknown.....	88	75	163
Total.....	2,339	2,094	4,433

TABLE NO. 18.

<i>Form of insanity of 4,433 patients.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Dementia.....	311	263	574
Dipsomania.....	48	12	60
General paralysis of the insane.....	31	1	32
Hypochondriasis.....	5	0	5
Imbecility.....	50	54	104
Idiocy.....	23	23	46
Mania, acute.....	672	564	1,236
Mania, alcoholic.....	30	13	43
Mania, chronic.....	484	480	964
Mania, epileptic.....	106	53	159
Mania, hysterical.....	1	30	31
Mania, puerperal.....	0	56	56
Mania, recurrent.....	155	137	292
Melancholia.....	278	344	622
Melancholia, acute.....	0	4	4
Melancholia, chronic.....	0	1	1
Methomania.....	2	1	3
Monomania.....	15	4	19
Not insane (and discharged so).....	128	51	179
Not insane.....	0	3	3
Total.....	2,339	2,094	4,433

TABLE NO. 19.

<i>Supposed causes of insanity in 4,433 patients.</i>	<i>Males.</i>	<i>F'ms.</i>	<i>Total.</i>	<i>Supposed causes of insanity in 4,433 patients.</i>	<i>Males.</i>	<i>F'ms.</i>	<i>Total.</i>
Ambition.....	2	...	2	Jealousy.....	10	15	25
Abortion, criminal.....	...	5	5	Lactation.....	...	13	13
Anæmia.....	2	2	4	La Grippe.....	1	3	4
Apoplexy.....	4	1	5	Lead poisoning.....	10	...	10
Anxiety.....	21	21	42	Lottery speculation... ..	2	...	2
Blindness.....	2	...	2	Malaria.....	4	2	6
Catarrh.....	...	1	1	Masturbation.....	102	6	108
Cerebritis.....	1	1	2	Meningitis.....	4	13	17
Cerebral hemorrhage... ..	...	1	1	Meno-pause.....	...	42	42
Congenital.....	32	33	65	Mental excitement....	7	9	16
Constipation.....	2	...	2	Measles.....	...	1	1
Convulsions.....	...	2	2	Miscarriage.....	...	4	4
Disappointment.....	...	1	1	Monastic life.....	1	...	1
Domestic trouble.....	26	101	127	Morphine.....	...	1	1
Epilepsy.....	138	80	218	Menstrual trouble....	...	11	11
Excessive venery.....	10	2	12	Multiple cer'l sclerosis ..	...	1	1
Excessive novel r'ding ..	2	...	2	Neuralgia.....	1	...	1
Excessive use tobacco..	5	...	5	Nervous shock.....	...	5	5
Exposure.....	3	...	3	Nostalgia.....	...	11	11
Fall.....	3	2	5	Not insane (and dis- charged so).....	128	51	179
Fever.....	10	12	22	Not insane.....	...	3	3
Fright.....	1	7	8	Opium habit.....	1	3	4
Grief.....	39	79	118	Otorrhœa.....	...	1	1
Heredity.....	145	202	347	Parturition.....	...	54	54
Heart disease.....	2	...	2	Paralysis.....	1	...	1
Homesickness.....	...	1	1	Pecuniary emb'rassm't ..	78	25	103
Hysteria.....	...	4	4	Puerperal state.....	...	95	95
Inflammation of brain..	5	4	9	Poverty.....	7	8	15
Insomnia.....	1	...	1	Physical labor.....	16	5	21
Intra-cranial tumor... ..	1	2	3	Religious excitement..	51	63	114
Interstitial nephritis... ..	1	...	1	Remorse.....	1	1	2
Intemperance.....	343	102	445	Slander.....	...	2	2
Injury to head.....	101	26	127				

TABLE NO. 19—Continued.

<i>Supposed causes of insanity in 4,433 patients.</i>	<i>Males.</i>	<i>F'mls.</i>	<i>Total.</i>	<i>Supposed causes of insanity in 4,433 patients.</i>	<i>Males.</i>	<i>F'mls.</i>	<i>Total.</i>
Small pox.....	1	....	1	Syphilis	27	17	44
Senility	17	48	65	Terror.....	2	12	14
Sickness.....	50	50	100	Unrequited affection..	18	44	62
Spiritualism.....	....	1	1	Uterine derangement..	....	72	72
Softening of brain....	1	....	1	Urinary trouble.....	1	1	2
Sunstroke.....	53	7	60	Unknown	836	696	1532
Surgical operation....	1	1	2	War excitement.....	2	2	4
Struck by lightning...	2	....	2	Want.....	....	2	2
Study.....	1	1	2				
Total.....					2339	2094	4433

TABLE NO. 20.

<i>Social condition of 4,433 patients.</i>	<i>Males.</i>	<i>F'mls.</i>	<i>Total.</i>	<i>Social condition of 4,433 patients.</i>	<i>Males.</i>	<i>F'mls.</i>	<i>Total.</i>
Single.....	1235	683	1918	Widowed	104	338	442
Married.....	800	939	1739	Not ascertained.....	200	134	334
Total.....					2339	2094	4433

TABLE NO. 21.

<i>Occupation previous to admission of 4,433 patients.</i>	<i>Males.</i>	<i>F'mls.</i>	<i>Total.</i>	<i>Occupation previous to admission of 4,433 patients.</i>	<i>Males.</i>	<i>F'mls.</i>	<i>Total.</i>
Agents.....	13	....	13	Chairmakers.....	1	....	1
Apprentices.....	2	1	3	Clerks	95	11	106
Artists.....	3	....	3	Clergymen.....	8	....	8
Architects.....	1	....	1	Cigar makers.....	30	....	30
Actors.....	2	3	5	Civil engineers.....	3	....	3
Auctioneers.....	1	....	1	Coachmen.....	3	....	3
Bakers.....	27	....	27	Coal dealers.....	1	....	1
Basket makers.....	2	....	2	Cooks.....	22	18	40
Barbers.....	23	....	23	Coopers.....	34	....	34
Barkeepers.....	26	....	26	Coppersmiths.....	2	....	2
Blacksmiths.....	26	....	26	Commercial travelers.	2	....	2
Brewers.....	9	....	9	Collectors.....	3	....	3
Bleachers.....	2	....	2	Conductors.....	4	....	4
Bricklayers.....	12	....	12	Confectioners.....	1	....	1
Brokers.....	1	....	1	Correspondents.....	5	....	5
Boarding-h keepers...	....	4	4	Custom House officers.	1	....	1
Book-keepers.....	30	....	30	Dairymen	2	....	2
Book-binders	1	2	3	Detectives.....	2	....	2
Bootblacks.....	4	....	4	Dentists.....	4	....	4
Boiler makers.....	8	....	8	Dressmakers.....	....	20	20
Box-makers.....	7	....	7	Drivers	3	....	3
Broom-makers,	3	....	3	Domestic services....	9	270	279
Butchers.....	22	....	22	Druggists.....	10	....	10
Brushmakers.....	2	....	2	Electricians.....	1	....	1
Cabin boys.....	2	....	2	Errand boys.....	4	....	4
Cabinet makers.....	8	....	8	Engineers	15	....	15
Canvassers.....	1	....	1	Editors	7	....	7
Carpenters.....	65	....	65	Factory girls.....	....	2	2
Car repairers.....	1	....	1	Furniture dealers....	1	....	1
Carriage makers.....	2	....	2	Furniture makers....	1	....	1
Carriage painters....	2	....	2	Farmers.....	56	1	57
Carvers.....	1	....	1	Firemen.....	4	....	4
Cattle-dealers.....	6	....	6	Florists.....	2	....	2

Gasfitters.....	1	....	1	Pork packers.....	2	....	2
Gardeners.....	14	....	14	Prostitutes.....	....	45	45
Glass blowers.....	2	....	2	Plumbers.....	6	....	6
Grinders.....	1	....	1	Physicians.....	7	1	8
Gilders.....	1	....	1	Quarrymen.....	2	....	2
Grocers.....	5	....	5	Quacks.....	1	....	1
Glove cutters.....	2	....	2	Rag pickers.....	3	1	4
Hair-dressers.....	....	1	1	Railroad men.....	7	....	7
Harness makers.....	8	....	8	Real estate dealers....	2	....	2
Horse traders.....	3	....	3	Reporters.....	2	....	2
Hatter.....	1	....	1	Rope makers.....	1	1	2
Hostlers.....	11	....	11	Riveters.....	1	....	1
Hotel keepers.....	2	....	2	Roofers.....	2	....	2
Housekeepers.....	....	12	12	Salesmen.....	11	1	12
Housewives.....	....	36	36	Sailors.....	2	....	2
Hucksters.....	5	1	6	Saddlers.....	15	....	15
Iron workers.....	2	....	2	Saloon keepers.....	9	....	9
Janitors.....	4	1	5	Seamstresses.....	....	51	51
Jewelers.....	3	....	3	Speculators.....	2	....	2
Journalists.....	1	....	1	Stewards.....	1	....	1
Knitters.....	....	1	1	Steamboatmen.....	15	....	15
Laborers.....	642	....	642	Stenographers.....	2	....	2
Lamplighters.....	1	....	1	Silver platers.....	1	....	1
Lawyers.....	9	....	9	Ship builders.....	1	....	1
Laundrers.....	3	....	3	Shoemakers.....	30	....	30
Laundresses.....	....	3	3	Stone cutters.....	21	....	21
Lithographers.....	1	....	1	Stucco workers.....	1	....	1
Locksmiths.....	2	....	2	Surveyors.....	2	....	2
Lottery men.....	1	....	1	Soldiers.....	7	....	7
Machinists.....	21	....	21	Scouts.....	1	....	1
Manufacturers.....	1	....	1	Students.....	3	1	4
Mattressmakers.....	2	....	2	Tailors.....	43	5	48
Merchants.....	36	2	38	Tanners.....	6	....	6
Mechanics.....	36	....	36	Teachers.....	6	17	23
Midwives.....	....	1	1	Teamsters.....	47	....	47
Milliners.....	....	10	10	Telegraph operators..	4	2	6
Millers.....	6	....	6	Tinners.....	18	....	18
Miners.....	4	....	4	Tobacconists.....	7	2	9
Moulders.....	16	....	16	Tramps.....	1	....	1
Musicians.....	11	1	12	Trunkmakers.....	3	....	3
Newsdealers.....	1	....	1	Trussmakers.....	1	....	1
No occupation.....	130	286	416	Undertakers.....	2	....	2
Notaries.....	2	....	2	Umbrella makers.....	1	....	1
Nurses.....	2	6	8	Unknown.....	244	230	474
Painters.....	41	....	41	Upholsterers.....	6	....	6
Paper carriers.....	1	....	1	Veterinary surgeons..	1	....	1
Paper hangers.....	1	....	1	Waiters.....	5	....	5
Patternmakers.....	2	....	2	Watchmakers.....	8	....	8
Paviors.....	1	....	1	Wagon makers.....	5	....	5
Plasterers.....	6	....	6	Washerwomen.....	....	33	33
Peddlers.....	31	9	40	Wax-designers.....	1	....	1
Photographers.....	2	....	2	Weavers.....	2	1	3
Pilots.....	1	....	1	Well-digger.....	1	....	1
Printers.....	13	1	14	Wire workers.....	2	....	2
Piano tuner.....	1	....	1	Whiteners.....	4	....	4
Policemen.....	5	....	5	Wood-choppers.....	1	....	1
Porters.....	11	....	11				
Total.....					2339	2094	4433

TABLE NO. 22.

Nativity of 4433 pa- tients.				Nativity of 4433 pa- tients.			
	Males.	Females.	Total.		Males.	Females.	Total.
Native —				Native —			
Alabama.....	7	2	9	Mississippi.....	16	11	27
Arkansas.....	6	3	9	Missouri.....	493	408	901
California.....	1	1	2	New York.....	63	34	97
Connecticut.....	1	7	8	New Jersey.....	16	5	21
Delaware.....	0	2	2	North Carolina.....	5	...	5
District of Columbia.	3	1	4	Ohio.....	35	39	74
Georgia.....	3	7	10	Pennsylvania.....	42	23	65
Indiana.....	15	14	29	Rhode Island.....	1	2	3
Indian Territory....	8	0	3	South Carolina.....	3	...	3
Illinois.....	43	54	97	Tennessee.....	23	13	36
Iowa.....	14	7	21	Texas.....	2	3	5
Kansas.....	1	1	2	Vermont.....	4	2	6
Kentucky.....	60	38	98	Virginia.....	27	16	43
Louisiana.....	21	13	34	West Virginia.....	1	1	2
Maine.....	6	2	8	Wisconsin.....	1	1	2
Maryland.....	14	7	21	Wyoming Territory..	1	...	1
Massachusetts.....	7	5	12	Utah Territory.....	...	1	1
Michigan.....	6	1	7	Unknown native....	106	114	220
Minnesota.....	1	3	4				
Total native.....					1051	841	1892
Foreign —				Foreign —			
Asia Minor.....	1	...	1	Netherlands.....	1	...	1
Australia.....	1	1	2	Norway.....	3	1	4
Austria.....	27	15	42	Nova Scotia.....	1	...	1
Bavaria.....	...	1	1	On Atlantic Ocean...	...	2	2
Belgium.....	5	4	9	Poland.....	9	7	16
Bohemia.....	4	9	13	Prussia.....	1	...	1
Canada.....	12	11	23	Russia.....	6	8	14
China.....	2	...	2	Spain.....	1	...	1
Denmark.....	5	4	9	St. Helena.....	1	...	1
England.....	55	43	98	Sweden.....	16	11	27
East Indies.....	...	1	1	Switzerland.....	34	38	72
France.....	24	17	41	Scotland.....	15	11	26
Greece.....	1	...	1	Syria.....	1	...	1
Germany.....	545	474	1019	Wales.....	6	...	6
Holland.....	6	3	4	West Indies.....	1	...	1
Hungary.....	1	3	9	Unknown foreign....	122	112	234
Italy.....	12	7	19				
Ireland.....	332	465	797	Total foreign.....	1252	1248	2500
Mexico.....	1	...	1				

SUMMARY.

Total native.....	1051	841	1892
Total foreign.....	1252	1248	2500
Unknown.....	36	5	41
Grand total.....	2339	2094	4433

TABLE NO. 23.

<i>Number of times admitted.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Admitted once.....	1681	1453	3134
Admitted twice.....	200	195	395
Admitted three times.....	50	46	96
Admitted four times.....	17	16	33
Admitted five times.....	5	15	20
Admitted six times.....	1	2	3
Admitted seven times.....	3	2	5
Admitted eight times.....	1	0	1
Admitted nine times....	2	2	4
Total individuals treated.....	1960	1731	3691

TABLE NO. 24.

<i>Forms of insanity of all those recovered.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Dementia.....	22	16	38
Dipsomania.....	3	1	4
Hypochondriasis.....	1	....	1
Imbecility.....	3	....	3
Mania, acute.....	320	224	544
Mania, alcoholic.....	38	5	43
Mania, chronic.....	50	59	109
Mania, epileptic.....	21	8	29
Mania, hysterical.....	...	9	9
Mania, puerperal.....	...	24	24
Mania, recurrent.....	77	50	127
Melancholia.....	76	82	158
Methomania.....	1	1	2
Monomania.....	2	4	6
Total.....	614	483	1097

TABLE NO. 25.

<i>Duration of insanity of all those recovered.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Less than 1 year.....	341	258	599
From 1 to 2 years.....	66	55	121
From 2 to 3 years.....	22	18	40
From 3 to 4 years.....	11	21	32
From 4 to 5 years.....	2	7	9
Over 5 years.....	21	25	46
Unknown.....	151	99	250
Total.....	614	483	1097

TABLE NO. 26.

<i>Duration of treatment of all those recovered.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>	<i>Duration of treatment of all those recovered.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Less than 1 month.....	105	49	154	From 3 to 4 years.....	4	2	6
From 1 to 2 months... 120	67	187		From 4 to 6 years.....	2	2	4
From 2 to 3 months... 70	50	120		From 6 to 7 years.....	3	3	
From 3 to 6 months... 153	154	307		From 10 to 11 years.....	1	1	2
From 6 to 12 months.. 113	110	223					
From 1 to 2 years..... 35	33	68		Total.....	614	483	1097
From 2 to 3 years.... 11	12	23					

TABLE NO. 27.

<i>Causes of death from April 23, 1869, to March 31, 1892.</i>			<i>Causes of death from April 23, 1869, to March 31, 1892.</i>		
	<i>Males.</i>	<i>Fem'les.</i>		<i>Males.</i>	<i>Fem'les.</i>
Anæmia.....	6	6	Jaundice.....	1	1
Asthma.....	3	3	Laryngitis, acute.....	1	1
Abscess.....	1	1	Mania, chronic.....	1	1
Athema.....	2	2	Marasmus.....	15	18
Apoplexy.....	20	23	Meningitis.....	1	5
Bronchitis.....	1	2	Mitral disease of heart..	1	1
Cancer.....	4	2	Mollites cerebri.....	2	2
Cardiac hypertrophy...	1	1	Morbus coxarius.....	1	1
Cerebral hemorrhage...	1	1	Nephritis, acute.....	1	1
Cerebral softening.....	19	8	Nephritis, chronic.....	2	1
Cerebral sclerosis.....	1	1	Nephritis, interstitial..	1	3
Cerebral congestion....	1	1	Edema of brain.....	2	2
Cerebral embolism.....	1	1	Edema of lungs.....	1	1
Cerebral tumor.....	1	2	Organic disease of br'n.	1	1
Cerebral apoplexy.....	1	3	Paralysis.....	2	2
Congestion of brain....	6	6	Paralysis, general, of		
Cirrhosis of liver.....	1	1	the insane.....	19	2
Colitis.....	1	1	Pneumonia.....	4	5
Conium, overdose of...	1	3	Paresis.....	1	1
Cystitis.....	5	2	Peritonitis.....	5	2
Diarrhœa.....	2	5	Pleuritis.....	1	1
Diarrhœa, chronic.....	1	2	Pericarditis.....	1	1
Dropsy.....	1	1	Pleuro-pneumonia....	2	2
Dysentery.....	4	2	Pleurisy.....	1	1
Exhaustion.....	60	41	Phthisis Pulmonalis...	20	34
Exhaustion, maniacal..	6	6	Poisoning, accidental..	1	1
Epilepsy.....	18	9	Pulmonary congestion..	1	1
Endo-enteritis.....	3	2	Pulmonary hemorrhage	2	2
Erysipelas.....	3	3	Purpura hemorrhagica.	2	2
Fracture of skull.....	1	1	Strangulation.....	1	1
Fever.....	3	9	Senility.....	12	25
Gangrene.....	5	1	Senile dementia.....	4	5
Gastro-enteritis.....	1	1	Suicide.....	3	2
General debility.....	2	3	Syphilis.....	1	2
Hæmatemesis.....	1	1	Tuberculosis.....	1	1
Hemiplegia.....	1	1	Uræmia.....	1	1
Heart disease.....	16	6			
Inanition.....	10	12	Total.....	305	288
Inflammation of brain..	1	1			593
Influenza.....	2	2			

TABLE NO. 28.

<i>Form of insanity of all who have died.</i>			<i>Form of insanity of all who have died.</i>		
	<i>Males.</i>	<i>Fem'les.</i>		<i>Males.</i>	<i>Fem'les.</i>
Dementia.....	71	63	Mania, hysterical.....	2	2
General paralysis of the insane.....	11	11	Mania, puerperal.....	8	8
Imbecility.....	3	9	Mania, recurrent.....	13	6
Idiocy.....	1	3	Melancholia.....	31	44
Mania, acute.....	79	52	Monomania.....	1	1
Mania, alcoholic.....	4	2	Not ascertained.....	1	1
Mania, chronic.....	63	82			
Mania, epileptic.....	27	16	Total.....	305	288
		43			593

TABLE NO. 29.

Yearly cost per capita of maintaining patients in St. Louis Insane Asylum from 1869 to 1892.

Fiscal year	Average of patients.	Cost per capita.	Fiscal year.	Average of patients.	Cost per capita.
1869-70.....	186	\$258 62	1881-82.....	354	183 18
1870-71.....	231	251 31	1882-83.....	367	190 30
1871-72.....	246	258 71	1883-84.....	451	165 06
1872-73.....	295	248 74	1884-85.....	443	169 03
1873-74.....	310	177 84	1885-86.....	492	165 00
1874-75.....	330	171 21	1886-87.....	518	156 64
1875-76.....	325	171 24	1887-88.....	519	152 07
1876-77.....	327	165 04	1888-89.....	532	154 54
1877-78.....	334	176 64	1889-90.....	540	137 80
1878-79.....	323	194 22	1890-91.....	510	144 39
1879-80.....	329	188 70	1891-92.....	530	138 62
1880-81.....	333	215 11			

TABLE NO. 30.

Financial statement for the fiscal year ending March 31, 1892.

Amount of appropriations.....\$75,925 00

Expenditures for the year—

Salaries of superintendent and employes.....	\$27,107 13	
Bread.....	5,893 13	
Meat and fish.....	9,093 29	
Groceries.....	11,368 75	
Vegetables.....	1,187 33	
Milk.....	2,196 00	
Fuel.....	4,667 33	
Ice.....	1,235 81	
Drugs, instruments and supplies.....	989 24	
Dry goods, clothing and bedding.....	2,863 12	
House furnishing goods and furniture.....	3,118 50	
Forage and bedding for horses.....	369 13	
Repairing vehicles and harness, shoeing horses	110 60	
Printing and stationery (including postage)...	255 15	
Oils, packing, waste and tools used by the en-		
gineer.....	246 50	
Lumber and materials for coffins.....	11 84	
Car tickets.....	15 00	
Rent of telephone.....	40 00	
Labor and materials for repairing fences and		
maintaining grounds.....	235 50	
Labor and material for repairs of buildings,		
including repairs of boilers, machinery, and		
steam heating apparatus, requiring prompt		
attention.....	1,591 30	
Labor and material for repairs of buildings,		
including repairs of boilers, machinery and		
steam heating apparatus (Ordinance		
16,427).....	874 00	
Total expenses of the year.....	\$73,468 65	
Balance of appropriations.....	2,456 35	
Total.....	\$75,925 00	\$75,925 00

TABLE NO. 31.

	<i>For 1 year.</i>	<i>For 1 day.</i>
Gross cost of keeping one patient.....	\$138 62	0 37 $\frac{1}{3}$
Less cost of pumping water to the Poor House and Female Hospital \$2,197.28; and amount received from pay and county patients \$4,893.19, gives net cost of maintaining one patient.....	125 24	0 34 $\frac{1}{3}$

TABLE NO. 32.

Cost of maintenance per capita.

For one year.....	\$138 62	For one week.....	\$2 66 $\frac{5}{8}$
For one month.....	11 55 $\frac{1}{2}$	For one day.....	37 $\frac{1}{8}$

TABLE NO. 33.

Average per capita cost of food for officers, employes and patients.

For one year.....	\$50 20	For one week.....	96 $\frac{7}{8}$
For one month.....	4 18 $\frac{1}{2}$	For one day.....	13 $\frac{3}{8}$

TABLE NO. 34.

Articles made by patients in sewing room during the year.

Aprons	143	Mosquito bars.....	1
Bags	6	Night gowns.....	212
Bed spreads.....	1	Pillow cases.....	819
Bread cloths.....	36	Pillow ticks.....	48
Billiard table-cover.....	1	Sheets.....	475
Chemises.....	374	Shirts	196
Curtains.....	2	Shirts.....	282
Drawers.....	221	Table-cloths.....	102
Dresses.....	469	Towels.....	303
Duck dresses.....	2	Undershirts.....	76
Duck suits.....	6		

TABLE NO. 35.

Articles repaired by patients in sewing room during the year

Aprons	50	Mosquito bars.....	4
Bed spreads.....	17	Napkins.....	25
Bags	15	Pantaloon.....	615
Camisoles.....	10	Pillow cases.....	57
Coats	61	Sheets.....	20
Curtains.....	4	Shirts.....	1,400
Drawers.....	608	Table-cloths.....	28
Duck dresses.....	21	Vests.....	42
Duck suits.....	94		

TABLE NO. 36.

Products of the farm and garden.

Asparagus.....	1,568 dozen.	Onions, green.....	1,500 dozen.
Beans.....	65 bushels.	Onions, dried.....	15 bushels.
Beets.....	100 "	Parsley.....	7 "
Cabbages.....	146 barrels.	Parsnips.....	75 "
Cauliflower.....	800 heads.	Pears.....	10 "
Carrots.....	30 bushels.	Peas.....	30 "
Corn, green.....	1,390 dozen.	Potatoes.....	150 "
Cucumbers.....	27 bushels.	Radish.....	20 barrels.
Grapes.....	1,000 pounds.	Radish, horse.....	250 roots.
Gooseberries.....	8 gallons.	Salsify.....	18 barrels.
Gumbo.....	27 bushels.	Strawberries.....	36 gallons.
Kohlrabi.....	900 heads.	Spinach.....	28 barrels.
Leeks.....	40 dozen.	Tomatoes.....	167 bushels.
Lettuce.....	46 barrels.	Turnips.....	80 "
Melons.....	10 bushels.		

ANNUAL REPORT OF
HEINE MARKS, M. D.,
SUPERINTENDENT OF THE CITY HOSPITAL,
For the Fiscal Year Ending April 11, 1892.

CITY HOSPITAL, St. Louis, April 11, 1892.

Dr. William N. Brennan, Health Commissioner:

SIR—I have the honor to present the twenty-sixth annual report of the workings and expenses of this institution, the same being my first annual report and the fifteenth under the present city charter.

The number of patients admitted during the year was 8,249 against 6,915 of the previous year, 6,701 of the fiscal year 1889-90, and against 6,597 the fiscal year 1888-89. The number treated was 8,610 against 7,299 the previous year, against 7,029 the fiscal year 1889-90, against 6,940 the fiscal year 1888-89; making 1,334 more admitted, and 1,311 more treated than during the previous year. The number of residents, on their own statement, admitted was 6,390; the number of non-residents, on their own statement, admitted was 1,859 or 22.53+ per cent. of the whole. St. Louis County paid for the care of eight of these patients, during their stay, 60 cents a day, or \$55.20 in all.

The number of surgical cases admitted was 1,260 and the number treated was 1,604. The number admitted for venereal affections was 886, and the number treated was 921. The number admitted suffering from alcoholism was 793 and the number treated was 808. The number of stretcher cases was 552. The number of coroner's cases was 114, and the number of deaths within forty-eight hours after admission was 163. The total percentage of deaths was 6.19+, the percentage exclusive of coroner's cases was 4.87+, and exclusive of deaths within forty-eight hours after admission 2.97+. The number of births was 39; eight of these were stillborn.

The largest number of patients in the hospital at any one time was 439, January 8, 1892; the smallest number 322, April 21, 1891. The largest number admitted any one month was 806, August, 1891; the smallest number admitted any one month was 62, September, 1891; the smallest number was 33, February, 1892. The largest number discharged one month was 767, August, 1891; the smallest number was 540, November, 1891. The largest number admitted one day was 40, August 10th. The largest number discharged one day was 61, September, 7th. The average number of patients admitted daily was 22.60. The largest number of deaths in one day was 8, August 10th. The number of patients received during night hours, 6 p. m. to 6 a. m. was 1,109. Of all patients admitted 1,333 or 16.1596 per cent. were born in Germany, 1,701 or 20.6207 per cent. were born in Ireland, 3,633 or 44.0417+ per cent. were white natives of the United States, and 853 or 10.3406+ per cent. were blacks born in the United States. The number of unconscious cases admitted was 58.

Having only recently assumed charge of this institution it would scarcely be proper that an exhaustive report of the workings of the hospital be expected. I have, however, endeavored to familiarize myself as much as possible in order that I may be able to present intelligently some of the urgent necessities, which, not only for the sake of humanity, but as much so for the preservation of life and property, that it becomes obligatory upon every one connected to exert his utmost towards attaining these ends. This institution presents to the unfortunate citizen a home during illness, and there can be no argument advanced why they should not be treated and cared for in a humane and scientific manner, with due respect for their comforts. I care not whether he be "prince or pauper," he will eventually show his appreciation of kindness received while under the city's guardianship.

I am proud to refer to the noble work, in this direction, inaugurated by my most able predecessor, Dr. H. C. Dalton, who has done much towards alleviating the sufferings of these most unfortunates in a grandly humane manner, but I find him sadly handicapped on all sides by inadequate space and comparatively primitive and antiquated appliances. I trust it will be my good fortune, at an early date, to have the gentlemen in whose hands the power of ameliorating lies visit this institution that they may, with their own eyes, witness the just demand of my appeal.

In relieving Dr. Dalton I found everything properly and systematically conducted. His most excellent demand of "kindness and consideration for all," recommends itself.

NEW BUILDING FOR CONTAGIOUS DISEASES.

Among the most urgent needs of this institution is a separate building, containing six wards, for contagious diseases, also cases of diphtheria, measles, and scarlatina, as it is impossible at present to isolate suspected cases. The few rooms that are now utilized we find impossible to cut off entirely from the various wards, as simply opening of doors admits impregnated air and frequently carries contagion with it. There is also a necessity of huddling together all classes and sexes in these small apartments.

NEW BOILER HOUSE.

I have been informed that some two and a half years ago, four thousand dollars were appropriated for a new boiler house, but owing to delay in erecting the same, at the end of the fiscal year the amount reverted to the city's treasury. If it was deemed necessary at that time to have a new one you can fully see the urgent need of one now, and I trust the above amount will be re-appropriated for the same purpose as it can only be a short time before it may become compulsory to act.

NEW ICE HOUSE.

A new ice house ought soon to be erected as the loss of ice in the present boxes is surprisingly great and it would be poor legislation to permit this waste to continue. A new ice-box for the dead-house is also needed for the proper preservation of bodies. The one now in use is about to collapse, being rotten and worn out.

NEW OPERATING BUILDING FOR LAPAROTOMY AND HEAD OPERATIONS.

A new and properly constructed operating building for laparotomies and head operations is an absolute necessity at this institution. It should contain operating room, dressing room and four wards, one of which should be so constructed that criminals can be properly cared for without danger of their escaping:

It was the celebrated Nussbaum who gave utterance to the following significant words: "The fate of a wounded person lies almost entirely in the hands of that surgeon who applies the first dressing." Conscientious surgeons the world over appreciate the full value and force of that wisest of the distinguished surgeons' observations. In the light of actual experience surgeons know that the life of their patients almost wholly depends upon the aseptic condition of the operating room and its facilities for maintaining *perfect cleanliness*. There are certain essentials to an operating room:

- 1st. It should be well lighted.
- 2d. It should be easy to cleanse it thoroughly.
- 3d. There should be an unlimited supply of hot and cold distilled or filtered water.
- 4th. Instruments and all other adjuvants likely to be needed should be within instant reach.
- 5th. The walls should have a hard soapstone finish, allowing the free use of water in cleansing, and by their light color diffuse sunlight from windows on all sides.
- 6th. The floor should be of light colored hard tile, closely fitted, and absolutely impervious to water and blood.
- 7th. All pipes should be exposed to view, there should be no concealed nooks in a properly constructed operating room — absolutely no "dead space."
- 8th. The operating table should also be aseptic.
- 9th. Bath room, water closets, and sink, must be in a remote part of the building.
- 11th. No food should be cooked in the building in which the operating room is located, beyond the preparation of light sick diet on gas oven, or steam table.
- 12th. The room ought not to be over 16x20 feet and the ceiling about 14 feet high.

PATHOLOGICAL LABORATORY CONNECTED WITH DEAD-HOUSE.

As the intelligent treatment of many cases depends upon a diagnosis which can only be correctly established by means of the microscope, I would respectfully recommend that appropriate quarters be set apart for this purpose. No institution of this kind can be considered complete without this essential aid to the skillful and successful treatment of disease.

NEW FLOORS.

New wood floors are needed for porch around division eleven (11), for bath room in division eleven (11); long surgical hall. The present flooring slivers

terribly and is likely to trip up patients. Grauitoid floor for engine room is needed.

NEW WINDOW SASH.

I would like to suggest new window sash for the east and west sides of division ten (10); the present sash are all rotten and will not retain the glass much longer.

NEW FENCES.

Among the absolute needs of this institution is an entirely new fence on Carroll, Grattan and parts of Linn streets and Lafayette avenue. At present the posts are all rotten, the fence leans outward and is apt to fall at any time, perhaps inflicting injury to passers-by, which may result in just cause for damages against the city. The present material will no longer permit repairing. The low Grattan street fence affords no protection to the grounds whatever.

GATES.

The main entrance on Carroll street cannot be closed at present owing to the dilapidated condition of the gates, which should be repaired or replaced with new ones.

SPOUTING AND GUTTERING.

The down spouting and guttering is in bad order and ought to be repaired.

NEW SOUP BOILER.

The present condition of the soup boiler is very dangerous. It has been repaired frequently, but the metal sides are worn and now too thin to bear any great pressure of steam. The helpers are in constant fear of its exploding. Very little steam is turned on, which causes great inconvenience. It should be replaced by a new, large, double jacketed, iron soup boiler, about one hundred (100) gallons capacity.

HOPPERS AND TRAPS.

In order that the water closets be put in good repair, we should have about one (1) dozen new iron hoppers and traps to replace the old ones.

STEAM PIPE.

A new system for heating main building and old additions or about six thousand (6000) feet of assorted pipe with fittings for repairing the old system, should be granted in order that we may better add to the comforts of the patients. During the cold weather, the engineer informs me, there is too much space to heat with the present capacity.

ELEVATOR.

The elevator should be repaired so as to give it more power. It is very slow now, in fact is worthless for purposes intended. In urgent cases I should use the stairway in preference, when time is an essential element.

HELP.

Since my short connection with this institution I have been unfavorably impressed with the system in vogue of using convalescent patients for detail work. It seems an imposition, and appears to be a subrosa for obtaining remuneration for services rendered and also an improper manner of obtaining sufficient help at exorbitant prices. It not only retards the recovery of the sick but causes the city to shelter them much longer than absolutely necessary. Economy in this direction should not be encouraged and ought to be abolished at an early date. Still from all information obtainable, I find more help necessary and must be obtained from some source, therefore, this being the most convenient, is constantly imposed upon. I also find they occupy space in the wards that is needed for invalids. In order to overcome and remedy this state of existence, I would earnestly ask for more help.

APPROPRIATIONS.

For the proper care of the sick, in battling against diseases, charity demands that we have an additional appropriation for the next fiscal year. With the growth of our great city, its increase in population, the sick to be cared for is keeping pace. You will observe from the attached statistics that the number of patients exceeds by 1,334 those of the last year, and it is very apparent that a greater number cannot be properly handled without sufficient funds.

Thanks are due Drs. Greenfield Sluder, David Nowlin, H. W. Bond, H. H. Born and J. P. Stack for assistance rendered and courtesy shown me.

Respectfully submitted,

HEINE MARKS, M. D.,

Superintendent.

CLASS III.

[illegible]

CLASS IV.

[illegible]

CLASS V.

Order 1.—Accidental and negligence	12	36	48	288	941	1229	300	977	1277	105	276	331	138	537	675	8	84	92	.....	.....	.....	30	40	70	19	40	59
Order 2.—Suicide	1	1	2	56	58	3	56	59	26	26	2	10	12	7	7	1	13	14

NIHIL.

Nthil.....	3	3	142	142	145	145	144	144	1	1
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CLASSIFIED TABULAR STATEMENT, ETC.—CLASS I.—ZYMOTIC. ORDER 1.—MIASMATIC DISEASES.

	Remaining April 1, 1891.	Cases admitted.		Cases treated.		Well.		DISCHARGED.			Trans- ferred.		Died.		Remaining April 1, 1892.	
		Total.	Complicated.	Total.	Complicated.	Total.	Complicated.	Improved.	Not Improved.	Total.	Complicated.	Uncomplicated.	Total.	Complicated.	Uncomplicated.	Total.
Cholera Morbus.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhea, Acute.....	1	25	91	116	7	26	92	118	7	10	70	80	6	1	1	2
Diarrhea, Chronic.....	3	14	32	46	14	35	49	11	16	27	11	16	3	1	1	2
Diphtheria.....	1	2	3	4	7	3	4	7	1	3	3	4	1	2	1	3
Dysentery, Acute.....	1	3	7	38	45	8	40	48	5	19	24	3	15	2	3	5
Dysentery, Chronic.....	4	4	8	16	24	8	20	28	1	4	5	4	14	3	1	2
Erysipelas.....	1	1	22	62	84	23	62	85	12	50	62	8	7	2	4	4
Erysipelas Phlegmon.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fever, Intermittent.....	5	15	145	743	150	613	763	68	375	443	60	236	296	19	5	24
Fever, Pernicious.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fever, Remittent.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fever, Typhoid.....	1	1	32	79	111	32	80	112	16	33	69	3	7	9	15	24
Malaria, Toxæmia.....	1	1	2	30	147	177	31	148	179	12	80	92	16	1	1	2
Measles.....	2	2	4	6	6	2	8	10	2	8	2	2	60	76	2	2
Scarlatina.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Septicæmia.....	3	2	21	23	2	21	23	2	21	23	2	21	23	3	2	5
Tabes Mesenterica.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tonsillitis.....	1	1	9	10	1	9	10	1	9	10	7	7	1	2	2	2
Varicella.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Varioloid.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ORDER 2.—ENTHETIC DISEASES.

Buboes.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chancrels.....	5	5	96	126	222	101	126	226	28	33	61	14	45	59	1	1
Condylomata.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gleet.....	1	1	3	2	5	4	2	6	1	2	1	3	1	4	3	6
Gonorrhea.....	2	1	3	87	70	157	89	71	160	12	12	24	68	33	101	5
Gonorrheal Ophthalmia.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gonorrheal Syphilis.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gonorrheal Syphilitic.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rheumatism, Gonorrheal.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rheumatism, Syphilitic.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis.....	2	2	9	14	23	9	16	25	1	1	2	6	10	16	2	4

[illegible]

ORDER 3—DIETIC DISEASES.

Alcoholism, Acute.....	1	7	8	170	458	628	171	465	636	75	351	426	78	102	180	12	6	18	.....	.....	.....	1	3	4	5	3	8
Alcoholism, Chronic.....	3	4	7	70	95	165	73	99	172	129	42	71	32	41	73	5	5	10	.....	.....	.....	5	7	12	2	4	6

ORDER 4—PARASITIC DISEASES.

Pediculosis Corporis.....	3	8	5	4	9	5	7	12	2	4	6	3	6
Tinea Solum.....	3	2	2	2	4	2	2	4	1	2	3	1	1
lyosis.....		1	1	1	2	1	1	2	1	1	1	1	1

[illegible]

Abscess, Cerebral
 Cerebral Hemorrhage
 Concussion of Brain
 Compression of Brain
 Chorea
 Coup de Soliel
 Epilepsy
 Hemorrhage into Spinal Cord
 Hemiplegia
 Hysteria
 Heat Prostration
 Insanity
 Insomnia
 Idiocy
 Mental Aberration
 Meningitis
 Meningitis, Cerebral
 Meningitis, Cerebro-spinal
 Meningitis, Tubercular
 Migraine
 Myalgia
 Myelitis
 Neurasthenia
 Neuritis
 Nervous Prostration
 Paralysis
 Paralysis, Lead
 Paralysis, Locomotor
 Paralysis, Hemiplegic
 Paralysis, Paraplegic
 Pleurodynia
 Tetanus
 Syncope
 Aphasia
 Ophthalmia
 Cerebral Hyperemia
 Cerebral Softening

ORDER 2 — DISEASES OF THE EYE.

	Remaining April 1, 1891.		Cases Admitted.		No. of Cases Treated.		DISCHARGED.						Trans- ferred.		Died.		Remaining April 1, 1892.	
	Complicated.	Total.	Complicated.	Total.	Complicated.	Total.	Well.		Improved.		Not Improved.		Complicated.	Total.	Complicated.	Total.	Complicated.	Total.
							Complicated.	Uncomplicated.	Complicated.	Uncomplicated.	Complicated.	Uncomplicated.						
1. Corneo —																		
Abrasion of Cornea.....			1	1	1	1												
Keratitis.....			3	6	3	6			2	1	1	3						
Leucoma.....			1	1	1	1					1	1						
Laceration of Cornea.....	1	1	1	1	1	1												
Ulcer of Cornea.....	1	2	3	11	9	20	3	6	8	6	14	1						
Pannus.....			8	3	3	3												
Conjunctivæ —																		
Conjunctivitis.....		2	15	28	43	30	4	8	7	17	24	2						
Ophthalmia.....			1	5	6	1	1	2		4								
Trachoma.....	1	1	8	17	23	9	1	6	4	10	11	3						
Pterygium.....			1	1	1	1		1										
Eyelids —																		
Blepharitis Marginalis.....			1	1	2	1	1	2		1		1						
4. Iris —																		
Iritis.....	1	1	4	9	13	5	9	14	2	4	6	4	3					
Synechia.....			1	1	1	1	1	1				1	1					
Lens and Capsule —																		
Cataract.....	1	1	3	9	12	4	9	13		1	1	3	5					
Glaucoma.....	1	1	2	1	3	2	2	4		1	2	3						
5. Nervous —																		
Atrophy, Optic Disk.....	1	1		3	3	1	3	4										
Atrophy, Optic Nerve.....									1			3						
Neuro Retinitis.....			1	1	1	1	1	1										
6. Tunics —																		
Diplopia.....				1	1	1	1	1										
Retinitis.....			1	2	3	1	2	3										
Rupture of Eyeball.....			1	1	1	1	1	1										
Ill-defined —																		
Injury to Eye.....			3	3	3	3	3	3		1	1							

ORDER 6--DISEASES OF THE DIGESTIVE SYSTEM.

	Remaining April 1, 1891.		Cases Admitted.		No. of Cases Treated.		DISCHARGED.						Trans- ferred.		Died.		Remaining April 1, 1892.	
	Complicated.	Uncomplicated.	Complicated.	Uncomplicated.	Total.	Complicated.	Uncomplicated.	Well*.		Improved.		Not Improved.		Complicated.	Uncomplicated.	Total.	Complicated.	Uncomplicated.
								Complicated.	Total.	Complicated.	Total.	Complicated.	Total.					
Abscess of Liver.			4	11	4	7	11	1	3	4	1	1	2					
Appendicitis.			5	5	5	5	5		3	3		2						
Ascites.			1	1	1	1	1											
Biliousness.			1	1	1	1	1											
Cirrhosis of Liver.	2	2	7	10	7	15	12	1	1	1	1	1	1					
Colic, Intestinal.			3	1	1	1	1											
Colica Pictorum.	3	3	4	38	41	37	41	2	17	19	2	17	19					
Constipation.			8	5	3	8	3											
Cholemia.			1	3	1	3	4											
Dyspepsia.			1	2	3	1	2											
Enteritis.			27	35	8	27	35		5	14	19	2	8	10				
Fissure of Anus.			1	1	2	1	1											
Fistula in Ano.			4	4	1	9	1		1	2								
Gastritis.	1	1	12	55	67	42	56	5	22	27	6	30	36					
Gastro-Catarrh.			5	22	5	23	28	2	12	14	2	11	13					
Gastro-Enteritis.	1	1	11	51	62	11	52	5	30	35	5	20	25					
Gastro-duodenal Catarrh.				1	1	1	1											
Glossitis.				1	1	1	1											
Glossopharyngitis.				1	1	1	1											
Gastralgia.				1	1	1	1											
Hemorrhoids.			2	25	2	23	25		4	5	1	9	10					
Hepatitis.			1	1	1	1	1											
Hernia.	1	2	6	20	26	7	21		4	5	5	6	11					
Hamatemesis.				1	1	1	1											
Indigestion.				1	1	1	1											
Intestinal Catarrh.				1	1	1	1											
Intestinal Hemorrhage.				1	1	1	1											
Jaundice.			2	7	9	9	9	2	5	7								
Obstruction of Bowel.				1	1	1	1											
Pertontitis.	1	1	2	4	3	2	5		1	1	1	1	2					
Prolapsus Rectum.				1	1	1	1											
Stricture of Esophagus.			3	3	3	4	6	1	1	1	1	1	2					

ORDER 7 — DISEASES OF THE URINARY SYSTEM.

[illegible]

ORDER 8—DISEASES OF THE GENERATIVE SYSTEM.

[illegible]

ORDER 9 - DISEASES OF THE LOCOMOTORY SYSTEM.

	Remaining April 1, 1891.		Cases Admitted.		No. of Cases Treated.		DISCHARGED.						Trans- ferred.		Died.		Remaining April 1, 1892.	
	Complicated.	Total.	Complicated.	Uncomplicated.	Total.	Complicated.	Uncomplicated.	Total.	Well.		Improved.		Not Improved.		Complicated.	Uncomplicated.	Total.	
									Complicated.	Uncomplicated.	Complicated.	Uncomplicated.	Complicated.	Uncomplicated.				
Ankylosis.....	1	1																
Arthritis.....			1	1	4	5	1	1	1	1	1	1	1	2	1	1	1	
Bursitis.....			1	1	2	3	1	1	1	1	1	1	1	1				
Caries.....	1	1	1	1	3	4	1	1	2	3	1	1	1	1				
Effusion of Blood into Leg.					1	1	1	1	1	1	1	1	1					
Flat Foot.....	1	1			1	1	1	1	1	1	1	1	1					
Foreign Body in Foot.....			1	1	1	1	1	1	1	1	1	1	1					
Gangrene.....			1	1	1	1	1	1	1	1	1	1	1					
Morbus Coxarius.....			1	1	1	1	1	1	1	1	1	1	1					
Neerosis.....	2	2	1	1	4	5	1	1	2	3	1	2	1	1	1	1	1	
Ostitis.....			1	1	1	1	1	1	1	1	1	1	1					
Osteo Arthritis.....			2	2	2	4	2	2	2	1	1	1	1					
Osteoma.....			1	1	1	1	1	1	1	1	1	1	1					
Inflammation of Hand.....			1	1	1	1	1	1	1	1	1	1	1					
Inflammation of Leg.....			1	1	1	1	1	1	1	1	1	1	1					
Irritable Stumps.....			1	1	8	9	1	1	3	3	5	6	1	1	1	1	1	
Periostitis.....			2	2	15	17	1	1	8	9	4	4	1	1	1	4	5	
Phlegmon.....			1	1	1	1	1	1	1	1	1	1	1					
Pyarthrosis of Ankle.....			1	1	1	1	1	1	1	1	1	1	1					
Popliteal Cicatricial Web from Burn			1	1	1	1	1	1	1	1	1	1	1					
Rupture of Int. Lig. Ligament Wrist			2	2	2	2	2	2	2	2	2	2	2					
Sclerosis.....	1	1	4	19	23	24	6	6	4	11	15	1	1	1	1	3	8	
Synovitis of Knee.....			1	1	1	1	1	1	1	1	1	1	1					
" Tendons Forearm			1	1	1	1	1	1	1	1	1	1	1					
Rupture of Ligament, Knee			1	1	1	1	1	1	1	1	1	1	1					
Traumatism of Hip Joint.....	1	1	1	1	1	1	1	1	1	1	1	1	1					
Tuberculosis of Ankle.....			1	1	4	5	1	1	1	3	4	1	1	1	1	1	1	
" Femur.....			1	1	1	1	1	1	1	1	1	1	1					
" Hip.....			3	3	3	3	3	3	3	2	2	1	1	1	1	1	1	
" Knee.....			1	1	1	1	1	1	1	1	1	1	1					
Coxitis.....			1	1	1	1	1	1	1	1	1	1	1					
Contracture of Flexors of Leg.....			1	1	1	1	1	1	1	1	1	1	1					

ORDER 2 — WOMEN.

	Remaining April 1, 1891.	Cases Admitted.	No. of Cases Treated.			DISCHARGED.						Transferred	Died.	Remaining April 1, 1892.	
			Complicated.	Uncomplicated.	Total.	Well.	Improved.			Not Improv'd					
							Complicated.	Uncomplicated.	Total.						
Abortion.....	..	1	1	1	2	1	1	1	1	1	1	1	1	1	..
Accouchment.....	..	9	9	9	9	8	8	1	1	1	1	1	1	1	..
After Confinement.....	..	9	9	9	9	8	8	1	1	1	1	1	1	1	..
Miscariage.....	..	6	5	6	1	5	6	1	5	6	1	5	6	1	..
Pregnancy.....	2	5	23	5	30	5	19	24	4	4	4	4	4	4	2
Puerperal Mania.....	..	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Puerperal Septicemia.....	..	6	5	6	11	4	3	7	1	1	1	1	1	1	3
	Complicated.	Uncomplicated.	Total.	Complicated.	Uncomplicated.	Total.	Complicated.	Uncomplicated.	Total.	Complicated.	Uncomplicated.	Total.	Complicated.	Uncomplicated.	Total.

ORDER 3—AGE.

[illegible]

CLASS V.—VIOLENCE. ORDER 1—ACCIDENTS AND NEGLIGENCE.

Abrasions.....	5	5	5	1	1	3	1	1	.....
Amputation of Toes.....	1	1	1	1	1	.....	.....	.....	.....
Amputation of Arms.....	2	1	3	1	1	2	.....	.....	.....
Amputation of Leg.....	3	3	3	1	1	.....	.....	.....	.....
Bites.....	3	9	3	2	4	1	.....	.....	.....
Burns.....	4	48	7	2	2	1	.....	.....	.....
Contusions.....	6	12	66	271	343	26	12	14	2
Dislocations.....	13	13	13	13	13	.....	.....	.....	.....
Fracture of Ankle.....	1	1	1	1	1	.....	.....	.....	.....
Cart'd Cartilage.....	1	1	1	1	1	.....	.....	.....	.....
Calvarium.....	3	3	4	11	15	4	14	18	2
Clavicle.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Collas.....	3	3	3	6	3	.....	.....	.....	.....

Fracture of Femur.....	5	5	8	12	20	8	17	25	4	4	8	2	9	11	2	2	2	2	2
" " Fibula.....	1	1	4	10	18	3	11	18		3	3	3	7	10	1	1	1	1	1
" " Fingers.....				5	8	3	5	8		8			6	1	1	2			
" " Humerus.....	7	7	13	6	13	7	6	13	3	1	4	2	4	6			1	1	1
" " Jaw.....	1	1	1	1	2	1	1	2	1	1	1	1	1	1					
" " Ilium.....			1	1	1	1	1	1	1	1	1								
" " Frontal bone.....			1	1	1	1	1	1	1	1	1								
" " Maleolus.....			1	7	8	1	7	8		1	1	1	1	1	7				
" " Maxilla.....	2	2	6	8	10	2	8	10	3	3	3	1	5	6			1		
" " Nose.....			3	9	3	9	3	9	2	1	3	4	1	5					2
" " Occiput.....	1	1	3	4	1	3	4	1	1	1	1	1					1		
" " Parietal.....			1	1	1	1	1	1	1	1	1	1	1	1					
" " Pelvic bones.....			1	1	1	1	1	1	1	1	1	1	1	1			1		1
" " Potts.....	3	3	3	3	3	6	6	6	1	1	1	1	4	4			1		1
" " Radius.....			2	3	5	2	4	6	1	2	3	1	2	3		2			
" " Radius and Ulna.....	1	1	6	22	28	6	22	28	2	6	8	2	15	17		1			
" " Ribs.....			14	39	46	14	31	46	6	7	13	2	7	9		3			
" " Skull.....				1	1	1	1	1								2			1
" " Spine.....				7	11	4	8	12	5	7	1	1	2			1			1
" " Tibia.....	1	1	4	7	11	4	8	12	5	7	1	1	2						3
" " Tibia and Fibula.....	4	4	8	37	44	11	41	52	4	10	4	1	28	32		1	1	2	9
" " Thumb.....			3	3	3	3	3	3	1	1	1	2	2	2					
" " Toes.....	1	1	2	2	4	3	2	5	1	1	1	2	2	4					
" " Ulna.....			2	1	3	2	1	3	1	1	2	3	2	3					1
" " Ulna.....	1	1	10	10	10	11	11	11	4	4	4		6	6		1			1
Frost bites.....			2	1	2	2	2	2	2				2	2		1			
Hematoma.....			1	1	1	1	1	1					2	2					
Injury to Arm.....				2	2	1	2	2					2	2		1			
" " Back.....				1	1	1	1	1											
" " Chest.....			1	1	1	1	1	1									1		
" " Finger.....				1	1	1	1	1											
" " Foot.....			10	10	10	10	10	10	1	1	1	1	1	1		3			2
" " Head.....				1	1	1	1	1	1	1	1	1	1	1					
" " Hip.....				1	1	1	1	1	1	1	1	1	1	1					
" " Internally.....			3	1	4	3	1	4	1	1	1	1	1	1					
" " of Lung.....			1	1	2	1	1	2	1	1	1	2				3	1	4	
" " Leg.....			1	2	2	1	2	2								1	1	2	
" " Spine.....			1	2	3	1	2	3								1	2	3	
" " Spleen.....			1	1	1	1	1	1								1			
Rupture of Intestines.....			1	3	4	1	3	4	1	2						1			
" " Liver.....			1	1	1	1	1	1	1	1	1	1	1	1		1	1	2	
Shock.....			2	2	2	2	2	2								2			
Scalds.....			1	1	1	1	1	1											
Sprains.....			87	100	13	88	101	5	15	20	5	51	56	1	17	18			7
Poisoning, Arsenic.....	1	1	1	1	5	1	1	1	1	1	1	1	1	1			1		
" " Rhus Toxicodendron.....			1	5	1	1	5	1	3	3	1	1	1	1		1	1		
" " Toxic Alkaloid.....			1	1	1	1	1	1	1	2	1								
Strain.....			1	8	8	1	8	8					4	4		2			
Wounds, Flesh —.....	1	1	12	42	54	12	43	55	3	8	11	2	22	24	1	2	3		4
" " Gushot.....	2	2	14	45	59	14	47	61	5	20	25	8	22	30		5			1
" " Incised.....																	9	13	2
																			1

TABLE SHOWING THE NUMBER OF PATIENTS ADMITTED, DISCHARGED, DECEASED AND TRANSFERRED DURING THE FISCAL YEAR.

REMAINING APRIL 1ST, 1891.

White Males	320
White Females	10
Colored Males	30
Colored Females	1
Total	361

ADMITTED.

	April, 1891.	May, 1891.	June, 1891.	July, 1891.	August, 1891.	September, 1891.	October, 1891.	November, 1891.	December, 1891.	January, 1892.	February, 1892.	March, 1892.	Total.
White Males	542	484	599	617	673	652	512	480	695	571	537	613	6975
White Females	27	49	35	51	30	46	39	26	39	22	24	27	415
Colored Males	59	62	51	51	70	66	55	47	60	90	62	74	750
Colored Females	14	6	8	7	9	11	8	12	12	11	5	6	109
Total	642	601	693	726	785	775	614	565	806	694	628	720	8249

DISCHARGED.

White Males	520	443	569	552	666	590	463	460	618	566	507	608	6562
White Females	26	36	33	43	29	40	31	24	31	26	22	23	364
Colored Males	46	56	43	41	66	54	38	51	47	76	57	63	638
Colored Females	4	10	9	7	6	8	11	5	9	11	5	7	92
Total	596	545	654	643	767	692	543	540	705	679	591	701	7656

DIED.

White Males	34	26	38	34	28	49	27	29	38	23	27	30	383
White Females	2	7	2	5	2	2	3	4	5	5	...	2	39
Colored Males	7	8	10	10	6	9	7	6	10	7	4	10	94
Colored Females	1	2	1	1	...	2	...	2	2	4	2	...	17
Total	44	43	51	50	36	62	37	41	55	39	33	42	533

TRANSFERRED.

White Males	4	6	3	4	1	3	...	2	3	5	6	4	41
White Females	1	1	1	3	2	...	1	...	1	...	2	...	12
Colored Males .....	...	...	...	...	...	1	...	...	...	...	...	...	1
Colored Females .....	...	...	1	...	...	...	...	...	...	...	...	...	1
Total	5	7	5	7	3	4	1	2	4	5	8	4	55

REMAINING APRIL 1ST, 1892.

White Males	309
White Females	10
Colored Males	47
Colored Females .....	...
Total	366

TABLE SHOWING THE SOCIAL CONDITION OF PATIENTS ADMITTED DURING THE FISCAL YEAR.

	White.		Colored.		TOTAL.
	Male.	Female.	Male.	Female.	
Single.....	5,427	160	569	56	6,212
Married.....	860	138	116	30	1,144
Widowed.....	678	110	61	22	871
Unknown.....	10	7	4	1	22
Total.....	6,975	415	750	109	8,249

TABLE SHOWING THE AGES OF PATIENTS ADMITTED.

	White.		Colored.		TOTAL.
	Males.	Females.	Males.	Females.	
Under 1 year.....	13	8	3	2	26
From 1 to 10 years.....	25	11	15	5	56
From 10 to 20 years.....	271	35	110	18	434
From 20 to 30 years.....	1,562	147	312	52	2,073
From 30 to 40 years.....	1,971	87	138	17	2,213
From 40 to 50 years.....	1,510	49	80	7	1,646
From 50 to 60 years.....	982	38	53	5	1,078
From 60 to 70 years.....	489	23	22	2	536
From 70 to 80 years.....	111	12	9	0	132
From 80 to 90 years.....	12	2	2	1	17
From 90 to 100 years.....	2	0	1	0	3
Unknown.....	27	3	5	0	35
Total.....	6,975	415	750	109	8,249

TABLE SHOWING THE NUMBER OF CORONER'S CASES DURING THE YEAR.

	April, 1891.	May, 1891.	June, 1891.	July, 1891.	August, 1891.	September, 1891.	October, 1891.	November, 1891.	December, 1891.	January, 1892.	February, 1892.	March, 1892.	TOTAL.
White Males.....	4	1	7	12	11	17	5	8	7	5	4	5	86
White Females.....	0	1	0	1	0	1	3	1	1	0	0	0	8
Colored Males.....	4	3	2	1	1	3	0	1	1	1	0	0	17
Colored Females.....	0	1	0	0	0	0	0	0	0	1	1	0	3
Total.....	8	6	9	14	12	21	8	10	9	7	5	5	114

TABLE SHOWING THE NUMBER OF BIRTHS DURING THE FISCAL YEAR.

White Males.....	0	2	1	0	0	0	0	1	1	2	2	1	10
White Females.....	1	1	0	1	1	2	3	0	0	3	3	1	16
Colored Males.....	1	0	0	0	0	0	0	0	0	0	0	0	1
Colored Females.....	0	0	0	0	0	0	1	0	2	1	0	0	4
Total.....	2	3	1	1	1	2	4	1	3	6	5	2	31

TABLE SHOWING THE NUMBER OF STILL AND PREMATURE BIRTHS DURING THE FISCAL YEAR.

White Males.....	0	0	0	0	0	1	0	0	0	0	0	0	1
White Females.....	0	0	1	0	0	0	0	2	0	0	0	0	3
Colored Males.....	0	0	0	0	0	1	0	1	0	0	0	0	2
Colored Females.....	0	0	0	0	0	0	0	2	0	0	0	0	2
Total.....	0	0	1	0	0	2	0	5	0	0	0	0	8
Grand Total of Births.....	2	3	2	1	1	4	4	6	3	6	5	2	3

TABLE SHOWING THE OCCUPATION OF PATIENTS ADMITTED TO THE HOSPITAL
DURING THE FISCAL YEAR.

Acrobats.....	1	Cattle driver.....	1	Letter carrier.....	1
Actors.....	9	Chain maker.....	1	Linemen.....	11
Agents.....	27	Dairymen.....	7	Lithographers.....	3
Architects.....	4	Decorators.....	4	Locksmiths.....	3
Attorneys.....	1	Dentists.....	3	Lathers.....	6
Auctioneers.....	2	Dish washers.....	6	Lumbermen.....	1
Accountants.....	2	Draughtsmen.....	2	Lightning rod hgs.....	2
Bakers.....	71	Dressmakers.....	5	Liverman.....	1
Barbers.....	49	Drivers.....	38	Mail agent.....	1
Barkeepers.....	13	Drover.....	1	Machine hands.....	3
Bartenders.....	39	Druggists.....	8	Mechanics.....	11
Basket-makers.....	5	Drummers.....	7	Marble cutters.....	4
Bell boys.....	2	Dead Beats.....	4	Marble polishers.....	3
Bill posters.....	6	Dyer.....	1	Marble setter.....	1
Blacksmiths.....	81	Electricians.....	6	Masons.....	5
Boiler makers.....	20	Elevator boys.....	2	Machinists.....	62
Bookbinders.....	11	Embalmer.....	1	Merchants.....	4
Bookkeepers.....	22	Engineers.....	43	Millers.....	12
Bootblacks.....	9	Engravers.....	2	Millwrights.....	6
Box makers.....	4	Expressmen.....	2	Miners.....	6
Brass finishers.....	3	Ex-Policeman.....	1	Minister.....	1
Brass moulder.....	1	Ex-Postmaster.....	1	Moulders.....	62
Brakesmen.....	6	Factory girls.....	2	Movers.....	3
Brewers.....	26	Farmers.....	54	Musicians.....	13
Bricklayers.....	43	Firemen.....	9	Music teacher.....	1
Brick makers.....	4	Fishermen.....	4	Messengers.....	5
Bridge carpenters.....	4	Finisher.....	1	Mining engineer.....	1
Bridge builders.....	3	Florists.....	8	Motormen.....	2
Brush makers.....	6	Foundrymen.....	9	Mantel setters.....	3
Butchers.....	47	Foremen.....	9	Morocco dresser.....	1
Broom makers.....	7	Gardeners.....	24	Manager.....	1
Buggy washers.....	7	Gasfitters.....	10	Model makers.....	2
Beggars.....	2	Glaziers.....	2	Mosaic workers.....	2
Bouncer.....	1	Glove cutters.....	1	Newsboys.....	8
Cabinet makers.....	13	Glass cutters.....	1	Nihil.....	139
Canvassers.....	21	Glass blowers.....	10	Nurses.....	8
Carriage makers.....	3	Glass packers.....	6	Nurserymen.....	1
Carriage painters.....	9	Glass & tack eater.....	1	Office boys.....	3
Carriage trimmers.....	2	Harnessmakers.....	17	Oiler.....	1
Carpet layers.....	2	Hatters.....	5	Operators.....	4
Carpenters.....	174	Helpers.....	3	Organ grinders.....	2
Cigar makers.....	28	Hodcarriers.....	4	Overseers.....	3
Civil Engineers.....	3	Hostlers.....	164	Postal clerk.....	1
Chambermaids.....	3	Housewives.....	130	Packers.....	9
Chair-makers.....	2	Housekeepers.....	10	Painters.....	165
Chair-caners.....	1	Housmen.....	10	Paper hangers.....	11
Clerks.....	16	Housecleaners.....	2	Paper-bag makers.....	..
Clergymen.....	1	Horsehoers.....	2	Pattern makers.....	3
Coachmen.....	20	Horse dealers.....	4	Pavers.....	3
Collectors.....	5	Hucksters.....	11	Peddlers.....	108
Com. merchants.....	4	Insurance agents.....	4	Penmen.....	2
Collar makers.....	3	Inspectors.....	2	Plasterers.....	12
Conductors.....	11	Iron workers.....	35	Platers.....	4
Confectioners.....	2	Instrument makers.....	2	Plumbers.....	23
Contractors.....	2	Janitors.....	5	Polisher.....	1
Coopers.....	60	Jewelers.....	4	Porters.....	110
Coppersmith.....	1	Jockeys.....	5	Potter.....	1
Curriers.....	2	Journalists.....	9	Pharmacists.....	2
Cutters.....	6	Laundresses.....	28	Physicians.....	2
Cooks.....	144	Laundrymen.....	4	Photographers.....	3
Car repairers.....	2	Lawyers.....	2	Pressman.....	1

Printers	56	Shoemakers	97	Truckman.....	1
Prostitutes.....	67	Slaters.....	9	Type caster.....	1
Pugilist.....	1	Smelters.....	2	Trainers.....	2
Puddler.....	1	Solicitors.....	6	Unknown.....	11
Proof-readers.....	2	Soldiers	3	Upholsterers.....	7
Pianopolishers	2	Stair builder.....	1	Umbrella menders.	2
Quarrymen.....	15	Stenographers.....	2	Vagrants.....	2
Rag pickers.....	3	Steam-fitters.....	13	Varnisher	1
Railroadmen	19	Steamboatmen ...	4	Vocalist	1
Railroad Laborers.	19	Stewards.....	2	Valet.....	1
Reporters.....	5	Stone cutters.....	16	Cementers.....	4
Rope makers.....	6	Stone crushers....	2	Cornice makers ...	3
Roofers.....	19	Stone dresser.....	1	Car builders	2
Roustabouts	17	Stonemasons.....	30	Granitoid sdk fshr.	1
Rivermen.....	5	Student.....	1	Piano tuner.....	1
Ripsawyer	1	Switchmen.....	20	Shirt maker.....	1
Sail makers.....	2	Sports.....	3	Supt. Sewer Dept.	1
Sailors.....	4	Soapmakers	2	Wagon makers....	14
Salesmen	74	Tailoresses	4	Waiters	116
Saleslady.....	1	Tailors.....	60	Watchmakers.....	5
Sawyer.....	1	Tanners.....	11	Watchmen.....	16
Schoolboys.....	22	Teachers.....	5	Washwomen.....	12
Schoolgirls.....	2	Teamsters	292	Weaver	1
Seamstresses	18	Telgrh operators..	9	Weighers.....	2
Servants.....	242	Tinners.....	41	Whiteners.....	5
Silver platers.. ...	2	Tobacconists.....	18	Wireworkers	7
Shoe-cutters	8	Tobacco stemmers	4	Wood workers....	9
Shoe-liner.....	1	Tinsmiths.....	4	Laborers.....	3992
Shoe lasters.....	3	Traders.....	3	Saddlers.....	5

TABLE SHOWING THE NATIVITY OF PATIENTS ADMITTED.

NATIVITY.	Males.	Females.	Total.	Per Cent.
Africa.....	1	1	2	.0282+
Australia.....	1		1	.0141+
Australia (col'd).....	2		2	.0282+
At Sea.....	1		1	.0141+
Austria.....	32	1	33	.4000+
Belgium.....	6		6	.0846+
Bohemia.....	33	2	35	.4243-
Brazil.....				
British America.....	3		3	.0423+
Canada (white).....	83	8	86	1.0425+
Canada (col'd).....	3		3	.0423+
Cuba.....		2	2	.0282+
Denmark.....	20		20	.2424-
England.....	27	18	45	.5455-
Finland.....	4		4	.0564+
France.....	56	2	58	.7031+
Egypt.....	1		1	.0141+
Bahama Islands.....	1		1	.0141+
Germany.....	1287	46	1330	16.1596-
Holland.....	12		12	.1455-
Hungary.....	13		13	.1596-
Ireland.....	1627	74	1701	20.6207-
Isle of Man.....	3		3	.0423+
Isle of Wight.....	1		1	.0141+
Italy.....	10		10	.1212-
Mexico.....	1		1	.0141+
Nova Scotia.....	1		1	.0141+
Norway.....	18		18	.2301-
Poland.....	10	2	12	.1455-
Prussia.....	4		4	.0564+
Russia.....	45		45	.5455-
Scotland.....	82	2	84	1.0143+
Sweden.....	67		67	.8102-
Switzerland.....	105	2	107	1.2971+
Spain.....				
Siberia.....	1		1	.0141+
Syria.....	1		1	.0141+
Turkey.....	1		1	.0141+
Roumania.....	2		2	.0282+
United States (white).....	3380	253	3633	44.0417+
United States (col'd).....	744	109	853	10.3406+
Unknown.....	27	7	34	.4102-
Venezuela.....	1		1	.0141+
Wales.....	4		4	.0544+
West Indies (col'd).....	1		1	.0141+
East Indies.....	3		3	.0423+
Total.....	7725	524	8249	100.000

TABLE SHOWING THE TOTAL NUMBER OF PATIENTS ADMITTED MONTHLY, THE NUMBER WHO ARE RESIDENTS OF THE CITY, THE NUMBER OF NON-RESIDENTS AND THE PER CENT. OF NON-RESIDENTS ADMITTED DURING THE FISCAL YEAR.

MONTH AND YEAR.	Total Number Admitted.	Total Number of Citizens.	Total Number of Non-Residents.	Per Cent. of Non-Residents.
April, 1891.....	642	511	131	20.40+
May, 1891.....	601	455	146	24.29+
June, 1891.....	693	536	157	22.65+
July, 1891.....	726	547	179	24.66+
August, 1891.....	785	598	187	23.82+
September, 1891.....	775	598	177	22.84-
October, 1891.....	614	488	126	20.52+
November, 1891.....	565	440	125	22.12+
December, 1891.....	806	624	182	22.58+
January, 1892.....	694	549	145	20.89+
February, 1892.....	628	497	131	20.86-
March, 1892.....	720	547	173	24.03-
Total.....	8249	6390	1859	22.53+

Dr. BALANCE SHEET 1891-1892. THE CITY HOSPITAL IN ACCOUNT WITH THE CITY OF ST. LOUIS. Cr.

Salaries of Superintendent and Employees.....	\$24,998 68	Cr. by Appropriation, by Ordinance No. 16,179	\$17,771 58
Expenses—Bread.....	3,501 07	“ “ “ 16,206	\$72,121 58
Meat and Fish.....	7,650 16	“ “ “ 16,179	17,771 58
Groceries.....	12,334 08	Less	54,350 00
Chickens.....	792 03	Cr. by	250 00
Vegetables.....	1,065 15	“ “ “ 16,500	2,191 40
Milk.....	4,055 50	“ “ “ 16,610	
Fuel.....	3,438 42		\$74,562 98
Gas.....	201 33	Less amount of unpaid bills last fiscal year ..	571 58
Ice.....	2,323 57		\$73,991 40
Drugs, Instruments and Supplies.....	6,210 12		
Dry Goods, Clothing and Bedding (including straw).....	2,145 66		
House Furnishing Goods and Furniture.....	1,833 66		
Forage and Bedding for Horses.....	739 18		
Repairing Vehicles and Harness, Shoeing Horses.....	26 73		
Printing and Stationery (including postage).....	578 92		
Oils, Packing, Waste and Tools used by the Engineer.....	98 60		
Lumber and Materials for Coffins.....	129 02		
Car Tickets.....	35 00		
Rent of Telephone.....	50 00		
Labor and Materials for Repairing Fences and Maintaining Grounds.....	89 18		
Labor and Materials for Repairing Buildings (including Boilers, Machinery and Steam Heating Apparatus) requiring prompt attention.....	1,713 03		
Total.....	\$74,099 09	Total.....	\$73,991 40
Balance in Excess of Appropriations.....	107 69		
Total.....	\$73,991 40		

THE NET COST OF THE HOSPITAL FOR THE YEAR WAS \$73,125.81
AS SHOWN BY THE FOLLOWING CREDITS, VIZ.:

Keeping four horses twelve months.....	\$456 67
Amount left by deceased patients, paid to Health Commissioner.....	153 91
Bills for board sent through the Health Commissioner.....	55 20
225 small coffins furnished on order of Health Commissioner, at 60 cts.	135 00
115 large coffins furnished on order of Health Commissioner, at \$1.50..	172 50
Total	<u>\$973 28</u>

Daily average number of patients.	383.10+
Daily per capita expense for patients.....	52.99+ net. 52.51—
Daily per capita expense for patients and employes.....	44.15+ net. 43.58—
Daily average number of employes.....	76.72+
Daily average expense per capita for sustenance, patients and employes.....	17.52—

ANNUAL REPORT

OF THE

Superintendent of the "Female Hospital"

For the Fiscal Year Ending March 31st, 1892.

R. M. KERLEY, M. D., Superintendent.

Dr. Wm. N. Brennan, Health Commissioner:

SIR — I have the honor, to herewith submit for your consideration the annual report of the Female Hospital for the fiscal year, ending March 31st, 1892.

I took charge of the institution, March 17th, 1892, and found it in good condition except as hereinafter stated:

The limited time, since I took charge, with the numerous details surrounding it, will make it necessary to abridge this report.

The annexed tables will show the business of the institution for the past fiscal year. No. 6 and 12 show that there were 198 patients in the institution at the beginning of the past fiscal year, 2076 patients have been admitted since, there have been 214 births, making the total number of cases treated 2,588; of this number 151 registered patients have died, 1897 have been discharged, and 226 registered patients remain in the hospital March 31st, 1892.

"NECESSARY IMPROVEMENTS."

My attention has been called to much needed improvements at this "Institution," which I have given a close personal investigation and am thoroughly convinced in nearly every instance, it is almost imperative. I would respectfully and urgently recommend the following:

First. The necessity of erecting a suitable building, separate and apart from the main building, for the accommodation of lying-in women.

Second. The erection of suitable sleeping quarters for the use of nurses, employed day and night: by the erection of this building, more room can be gained in the main building for the accommodation of other cases, and the isolation of contagious diseases, such as Scarlet Fever, Measles, etc.

Third. The erection of coal sheds or the building of a new boiler house, and utilizing the old boiler-house for a coal house; as it is now, we have no room for the storage of coal and are dependent on daily supplies, should an accident happen in the delivery, to prevent the coal reaching here every day, we are powerless, and without fuel. One battery of boilers are now past (18) eighteen years old, improperly placed, and the location should be changed and new ones put in.

Fourth. The erection of a suitable building for the accommodation of colored patients, separate from the white ones.

Fifth. Putting in new box coils (about 60 in number) on all the floors of the main building in the hospital, they are nearly all worn out, in the centers and at the bottom of the coils, where they cannot be reached to repair. Our engineer has repaired seven of them during the past winter, after borrowing several second hand ones from the Poor House. I deem it very important, that these repairs should be made during the coming summer, before the winter or cool weather comes upon us again; to make a change when their use is demanded, would work quite a hardship to the patients of the institution.

Sixth. Changing the steam pipes from between the ceilings and floors, and placing them outside of the ceilings, in order that they may be easily reached to

be repaired, as they are now, the pipes frequently burst, necessitating tearing up the floors, thus entailing much expense and labor. I also deem it very important that these repairs should be completed during the summer.

Seventh. STAND PIPES WITH HOSE ATTACHMENTS.—I cannot too strongly deprecate the protection against fire at the institution. The inadequate facilities at hand, and long distance to nearest engine house, leaves the patients at the mercy of a fire. The water pressure from the roof to fourth and fifth floors is so slight as to be of no avail.

I recommend the erection of a "stand pipe" connected with our pump in boiler house with hose attachments on each floor of the fire escapes. A strong argument in favor of the means of checking a fire in its insipieny, is our inability to attend to all the invalids confined to bed, to take them from the building. This matter had a thorough investigation some time ago, and a proposal to do the work for \$460.00 was made, very reasonable when you consider the protection it affords. I trust the subject will be given weighty consideration and hasty action.

Eighth. Drain pipes from the roof are wearing out, and generally in a bad condition, leaking badly in several places. Repairing is badly needed, and in some instances new pieces entirely are needed.

The kind consideration and courtesies for the wants of the institution already received at the hands of the Mayor, Board of Health, Health Commissioner and other heads of departments, commands my heartfelt thanks and gratitude. The responsibilities of an institution of this character, are at all times onerous, but less so when we have the hearty co-operation of the Chief Executive and heads of departments. To the Rev. Dr. J. H. Haggerty who ministers to the sick and dying I give my special thanks, also the Rev. Father Maximilian.

I thank you all and hope the interest and congeniality of to-day will be but a repetition throughout my superintendency.

Respectfully,

R. M. KERLEY, M. D.,
Superintendent.

TABLE NO. 1.

SHOWING NUMBER OF PATIENTS ADMITTED EACH MONTH.

	White.	Colored.	Total.
April.....	130	19	149
May.....	137	16	153
June.....	139	33	172
July.....	180	18	198
August.....	147	31	178
September.....	156	31	187
October.....	168	29	197
November.....	119	22	141
December.....	149	26	175
January.....	143	36	179
February.....	145	28	173
March.....	142	32	174
Total.....	1,755	321	2,076

TABLE NO. 2.

SHOWING NATIVITY OF PATIENTS.

Africa.....	4	Italy.....	1
Atlantic Ocean.....	3	Norway.....	1
Austria.....	1	Poland.....	2
Belgium.....	1	Sweden.....	7
Bohemia.....	11	Switzerland.....	12
Canada.....	24	St. Louis.....	462
England.....	62	Scotland.....	10
France.....	3	Syria.....	2
Germany.....	149	United States.....	1,029
Indian Territory.....	1	Unknown.....	?
Ireland.....	287	New Brunswick.....	1
Total.....			2,076

TABLE NO. 3.

SHOWING AGES OF PATIENTS.

	White.	Colored.	Total.
Under 1 year.....	67	7	74
From 1 to 5 years.....	86	14	100
“ 5 “ 10 “.....	40	13	53
“ 10 “ 20 “.....	245	72	317
“ 20 “ 30 “.....	578	122	700
“ 30 “ 40 “.....	275	50	325
“ 40 “ 50 “.....	181	23	204
“ 50 “ 60 “.....	175	14	189
“ 60 “ 70 “.....	74	4	78
“ 70 “ 80 “.....	27	3	30
“ 80 “ 90 “.....	3	2	5
Age unknown.....	1	0	1
Totals.....	1,752	324	2,076

TABLE NO. 4.

SHOWING OCCUPATIONS OF PATIENTS.

Artist.....	1	Office girl.....	1
Actresses.....	2	Peddlers.....	4
Book-binder.....	1	Pianist.....	1
Canvasser.....	1	Prostitutes.....	191
Chambermaids.....	4	Salesladies.....	3
Clerks.....	5	Seamstresses.....	65
Chorus girl.....	1	Standkeepers.....	1
Copyist.....	1	Servants.....	1,080
Cooks.....	34	School girls.....	11
Dishwashers.....	2	Shop girls.....	3
Dress-makers.....	6	Tailoresses.....	10
Factory girls.....	11	Teachers.....	7
Housewives.....	274	Tobacconists.....	8
Laundresses.....	58	Unknown.....	4
Nihil.....	274	Waitresses.....	2
Nurses.....	10		
Total.....			2,076

TABLE NO. 5.

SHOWING SOCIAL CONDITION OF PATIENTS.

Married.....	541	Widowed.....	556
Single.....	979		
Total.....			2,076

TABLE NO. 6.

SHOWING NUMBER OF BIRTHS, ETC., DURING THE YEAR.

Number of births.....	314	Stillborn.....	13
Cases of twins.....	5		

TABLE NO. 7.

SHOWING SOCIAL CONDITION OF MOTHERS.

Married.....	104	Widowed.....	22
Single.....	183		
Total.....			309

TABLE NO. 8.

SHOWING SEX AND COLOR OF CHILDREN BORN.

	White.	Colored.	Total.
Males.....	136	23	159
Females.....	131	24	155
Total.....			314

TABLE NO. 9.

SHOWING OCCUPATION OF MOTHERS.

Actress.....	1	Nurses.....	2
Cooks.....	6	Prostitutes.....	2
Factory girls.....	2	Saleslady.....	1
Housewives.....	51	Seamstresses.....	10
Laundresses.....	6	Servants.....	218
Milliner.....	1	Shop girls.....	3
Nihil.....	6		
Total.....			309

TABLE NO. 10.

SHOWING NATIVITIES OF MOTHERS.

Bohemia.....		St. Louis.....	3
England.....	5	Sweden.....	2
Germany.....	38	Switzerland.....	4
Ireland.....	13	United States.....	242
Poland.....	1		
Total.....			309

TABLE NO. 11.

SHOWING AGES OF MOTHERS.

From 15 to 20 years.....	82	From 30 to 40 years.....	32
" 20 " 25 ".....	135	" 40 " 50 ".....	3
" 25 " 30 ".....	57		
Total.....			309

TABLE NO. 12.

SHOWING NO. OF PATIENTS IN HOSPITAL MARCH 31, 1891, NO. ADMITTED SINCE,
NO. DISCHARGED, NO. DIED, AND NO. REMAINING IN HOSPITAL,
MARCH 31, 1892.

In hospital, March 31, 1891.....	198
Admitted to March 31, 1892.....	2,076
Registered patients treated.....	2,274
No. discharged to March 31, 1892.....	1,897
No. died to March 31, 1892.....	151
	2,048
Remaining in hospital March 31, 1892.	226

TABLE NO. 13.

SHOWING DAILY AVERAGE NO. OF PATIENTS AND COST OF MAINTAINING, ETC.

Daily average No. of patients.....	208
" " " " employes.....	43
Cost of maintaining one patient one year.....	\$206 42
" " " " " month.....	17 20
" " " " " week.....	3 97
" " " " " day.....	56
" " feeding one person one day including officers and employes.....	22

TABLE NO. 14.

SHOWING APPROPRIATIONS AND EXPENDITURES FOR THE FISCAL YEAR, 1891-92.

Cr. by Appropriation, by Ordinance No. 16,206.....	\$41,589 48
“ “ “ “ 16,427.....	400 00
“ “ “ “ 16,610.....	1,800 00
	<hr/>
	\$43,789 48
Less amount of unpaid bills last fiscal year.....	14 48
	<hr/>
	\$43,775 00
Items of Expense —	Total Expense —
Salaries of Superintendent and Employes.....	\$15,219 47
Bread.....	1,373 08
Meat and Fish.....	4,361 72
Groceries.....	6,828 57
Chickens.....	154 50
Milk.....	2,562 00
Fuel.....	3,387 50
Ice.....	1,096 76
Drugs, Instruments and Supplies.....	2,911 22
Dry Goods, Clothing and Bedding (including straw)...	902 65
House Furnishing Goods and Furniture.....	1,492 00
Forage and Bedding for Horses.....	783 69
Repairing Vehicles and Harness, Shoeing Horses.....	31 35
Printing and Stationery (including postage).....	293 30
Oils, Packing, Waste and Tools used by the Engineer..	180 03
Lumber and Materials for Coffins.....	52 01
Rent of Telephone.....	25 00
Labor and Materials for Repairing Fences and Main- taining Grounds.....	128 26
Labor and Materials for Repairing Buildings (includ- ing Boilers, Machinery and Steam Heating Appara- tus) requiring prompt attention.....	797 57
Ice Box.....	293 00
	<hr/>
	\$42,873 68
Balance of Appropriation.....	901 32
	<hr/>
	\$43,775 00

TABLE NO. 15.

A Comparative Table of Current Expenses of the Female Hospital for the past twelve years (not including improvements), as taken from the Auditor's Reports for these years.

Fiscal Year.	No. of Patients.	Expenses.	Fiscal Year.	No. of Patients.	Expenses.
1880-81.....	1,218	\$41,924 59	1886-87.....	1,644	\$48,525 56
1881-82.....	1,369	36,021 96	1887-88.....	1,701	47,805 59
1882-83.....	1,578	44,997 16	1888-89.....	1,805	44,736 75
1883-84.....	1,563	45,945 40	1889-90.....	1,766	43,267 19
1884-85.....	1,803	41,735 62	1890-91.....	1,870	41,575 81
1885-86.....	1,689	44,956 03	1891-92.....	2,076	42,873 68



FIFTEENTH ANNUAL REPORT

OF THE

Superintendent of the St. Louis Poor House.

OFFICE OF POOR HOUSE, }
St. Louis, April 12, 1892. }

Wm. N. Brennan, M. D., Health Commissioner:

SIR— I have the honor of forwarding to you the fifteenth annual report of this institution, same being for the fiscal year ending April 12, 1892.

On the first of April, 1891, we had in this institution 882 inmates; of these 485 were insane, 234 males and 251 females.

There were admitted during the year 618 persons; 459 males and 159 females; of these 99 were insane, 55 males and 44 females.

During the year 401 persons were discharged; 315 males and 86 females; of these 5 were insane, 4 males and 1 female.

There were 132 deaths during the year; 89 males and 43 females; of these 57 were insane, 31 males and 26 females, making the percentage of deaths for the year 8.80.

The minimum number of inmates during the year, at any time, was 825 and the maximum 1005.

The total number cared for during the year was 1,500; 981 males and 519 females; of these 584 were insane, 289 males and 295 females.

Our daily average in Poor House was 887.

On the first of April, 1892, the number of inmates remaining in this institution was 967; 577 males and 390 females; of these 522 were insane, 254 males and 268 females.

The cost of maintaining one person for the past fiscal year, was as follows:

For one year, 88.895.

For one month, 7.408.

For one week, 1.709.

For one day, 0.2435.

There being but a few days of the fiscal year left at the time of my taking charge of this institution, I can only make my report from the records.

Upon assuming charge on March 19, 1892, I found the institution and its surroundings, clean and healthy, although in a very dilapidated condition, the buildings being greatly in need of repairs, both inside and outside; the fences are ready to tumble down, and the posts are rotten at the ground level.

These fences afford but little protection to the grounds connected with the institution; several sections have been blown down, since I have taken charge, and they require constant patching to prevent animals from the outside entering the grounds.

I would, therefore, recommend that an appropriation be made, by the Municipal Assembly, of a sufficient amount, to replace these dilapidated fences with substantial barbed wire fences, which would not only protect the grounds, but would greatly beautify them.

I have called the attention of the Building Commissioner to the dilapidated and dangerous condition of the Female Pauper Building, which I consider to be very insecure.

The roof of the main or center building, is in a leaky and bad condition; the plastering requires a great deal of repairing; the whole ceilings in some of the halls of the east and west wings of the main building, occupied by the male and

female insane, had to be taken down, as it was dangerous to the lives of the patients.

To enumerate the requirements of this institution would be almost impossible for me at this time.

I would, therefore, recommend that the President and members of the Board of Public Improvements pay a visit to this institution, in a body, and carefully examine, in detail, as to what should be done in these matters referred to.

I am well satisfied that, if those able and scientific gentlemen will make this personal visit to the institution, they will see the necessity of immediate action in relation to many of the matters mentioned in this report.

I would further recommend that some changes be made in the location of the cow stable, which is so situated in the very lowest part of our grounds, as to allow the water from the hills on each side, to settle under the floor, which must certainly make this stable a very unhealthy place for the housing of cattle, particularly during damp and rainy weather.

I would also recommend that the bakery be reconstructed in such a manner as to make it comfortable and habitable for the purposes for which it is used. At present it is nothing more than a dilapidated old shed, rotten and ready to tumble down. As our bakery and dairy are not only self-sustaining, but pay a very handsome profit to the city, it is hoped that these matters will receive such consideration as they are justly entitled to.

In closing this brief report, I desire to return to the officers of this institution my profound thanks for the uniform courtesy which they have extended to me, particularly Mr. A. Bourdon, chief clerk, whose assistance has been, to me, invaluable, he being an able and efficient officer, and a faithful servant of the city's interests.

I also desire to mention, Mr. John McEvoy, Mr. Bourdon's able assistant, and Drs. H. A. Jones and J. P. Fitzpatrick, whose attention to the wants of their patients is worthy of the highest praise and admiration.

In conclusion, I desire to return thanks to the Franciscan Fathers, and the members of the various religious denominations, who visit this institution and administer spiritual aid and comfort to the unfortunate inmates.

Respectfully submitted.

JOSEPH P. GALLAGHER,
Superintendent.

TABLE NO. 1.

RECEIPTS AND EXPENDITURES.

Appropriations.....		\$79,199 05
EXPENDITURES.		
Salaries of Superintendent and employes.....	\$25,001 84	
Bread.....	8,386 64	
Meat and fish.....	11,580 52	
Groceries.....	14,585 51	
Milk.....	929 09	
Fuel.....	6,886 62	
Ice.....	588 92	
Drugs, instruments and supplies.....	981 15	
Dry goods, clothing and bedding.....	2,410 32	
House furnishing goods and furniture.....	4,532 44	
Repairing vehicles and harness and shoeing horses..	118 24	
Printing and stationery.....	148 25	
Oils, packing waste, and tools used by the engineer..	144 08	
Lumber and material for coffins.....	183 40	
Rent of telephone.....	25 00	
Labor and materials for repairing fences, etc.....	176 48	
Repairing buildings, etc.....	1,596 23	
Repairing male pauper's quarters.....	487 39	\$78,762 13
Amount taken from appropriations to pay last year's bills.....	\$199 05	
Balance reverting to general revenue.....	237 87	436 92
Total.....		\$79,199 05

TABLE NO. 2.

SHOWING THE NET EXPENDITURES AFTER DEDUCTING THE FOLLOWING AMOUNTS
TURNED OVER TO THE CITY.

Appropriations.....		\$79,199 05
CREDITS.		
Bills of last fiscal year, paid this year.....	\$199 05	
Balance of appropriation, April 1st, 1892.....	237 87	
Profits of bakery.....	2,381 61	
" " dairy.....	1,173 73	
Board bills of county and other patients.....	1,668 25	
Bones, calf hides, etc.....	117 23	
Old iron, rags and sacks.....	478 79	\$6,256 53
Net cost for the year.....		\$72,942 52

TABLE NO. 3.

POOR HOUSE BAKERY.

Bread, flour, fuel, etc., on hand April 1, 1892.....	\$670 71	
Flour and fuel purchased.....	20,785 08	
Hops, malt and yeast.....	187 35	
Salary of three bakers.....	1,740 00	
Salary of one bread wagon driver.....	420 00	
Feed and care of horses, shoeing, etc.....	1,115 46	
Repair wagon.....	49 15	
Repair bakery.....	135 00	
Lard, Ice, etc.....	383 75	
Potatoes.....	1,315 15	
Tools.....	108 08	
Total cost.....	\$26,909 73	
By bread sold —		
Work house..... 256,802 lbs.		\$6,420 06
City Hospital..... 140,042 "		3,501 06
Jail..... 97,505 "		2,437 65
Metropolitan Police..... 5,246 "		131 15
Female Hospital..... 54,922 "		1,373 08
Insane Asylum..... 235,724 "		5,893 13
Poor House..... 381,280 "		8,386 64
Total..... 1,171,521 lbs.		\$28,142 77
Empty barrels sold, 4,398.....		847 59
Bread, flour and fuel on hand April 1, 1892.....		300 98
Total credits.....		\$29,291 34
Cost of running bakery.....		26,909 73
Net profit.....		\$2,381 61

TABLE NO. 4.

POOR HOUSE DAIRY.

Forage purchased.....	\$2,856 86
Oil, salt, etc.....	378 79
Ice.....	173 15
Tools.....	30 23
Harness and wagon.....	143 00
Horseshoeing.....	25 50
Salary dairy help.....	875 00
Salary milk wagon driver.....	235 83
Total cost.....	\$4,718 36

By milk sold —		
Insane Asylum.....	10,980 gals.	\$2,196 00
Female Hospital.....	12,810 “	2,562 00
Poor House.....	6,465 “	929 09
Total.....	30,255 gals.	\$5,687 09
10 cows sold.....		205 00
Total credits.....		5,892 09
Cost of running dairy.....		4,718 36
Net profit.....		\$1,173 73

TABLE NO. 5.

SHOWING THE NUMBER OF HEAD OF CATTLE BRED, PURCHASED, SOLD, KILLED, DIED DURING THE YEAR.

	Bulls.	Cows.	Calves.	Total.
On hand April 1, 1891.....	1	60	12	73
Bred.....			42	42
Total.....	1	60	54	115
Sold.....		10	....	10
Died.....		2	10	12
Killed.....		....	36	36
On hand April 1, 1892.....	1	48	8	57
	1	60	54	115

TABLE NO. 6.

MISCELLANEOUS PRODUCTS.

Eggs, 650 dozen @ 20 cts.....	\$130 00
Chickens, 80 @ 25 cts. each.....	20 00
Pigeons, 100 pairs @ 25 cts. pair.....	25 00
Soft soap 10,000 gallons @ 10 cts. per gal.....	1,000 00
Total.....	\$1,175 09

TABLE NO. 7.

SHOWING THE COST OF MAINTAINING ONE PERSON (THIS INCLUDES FOOD, CLOTHES, DRUGS, FUEL, GAS, TOBACCO, PAINTING, ADDITIONS, IMPROVEMENTS, REPAIRS, ETC.)

For one year.....	88.895	For one week.....	1.709
For one month.....	7.408	For one day.....	0.2435

TABLE NO. 8.

SHOWING THE COST OF MAINTAINING ONE PERSON AFTER DEDUCTING CREDITS.

For one year.....	82.315	For one week.....	1.5829
For one month.....	6.859	For one day.....	0.2283

TABLE NO. 9.

SHOWING ARTICLES OF CLOTHING MADE IN SEWING ROOM DURING THE YEAR.

Awnings.....	2	Dresses (check).....	217
Aprons.....	150	Dresses (calico).....	40
Bed-ticks.....	196	Drawers.....	228
Caps.....	101	Napkins.....	40
Curtains (muslin).....	7	Night caps.....	78
Chemises.....	182	Petticoats (ticking).....	211

Pillow slips.....	217	Spreads (check).....	55
Pillow ticks.....	207	Towels.....	439
Skirts.....	299	Towels (roller).....	129
Shirts (white).....	57	Undershirts.....	370
Shirts (check).....	999		
Sheets.....	484	Total.....	5,208

TABLE NO. 10.

SHOWING ARTICLES OF CLOTHING REPAIRED IN SEWING ROOM DURING THE YEAR.

Aprons.....	51	Shirts (check.....	4,540
Bed ticks.....	35	Sheets.....	92
Chemises.....	9	Spreads (check).....	50
Dresses.....	23	Socks, pairs.....	1,300
Drawers.....	1,742	Table-cloths.....	48
Duck suits.....	245	Towels, roller.....	55
Napkins.....	12	Undershirts.....	2,260
Pillow slips.....	257		
Shirts (white).....	299	Total.....	11,118

TABLE NO. 11.

SHOWING ARTICLES OF PRIVATE CLOTHING MADE IN SEWING ROOM DURING THE YEAR.

Aprons.....	9	Night gowns.....	5
Basques.....	4	Petticoats.....	8
Chemises.....	10	Skirts.....	9
Drawers.....	17		
Dresses.....	54	Total.....	117

TABLE NO. 12.

SHOWING ARTICLES REPAIRED IN SHOE AND TAILOR SHOPS.

Boots, pairs.....	3	Slippers, pairs.....	246
Coats.....	518	Vests.....	272
Pants.....	3,229		
Shoes, pairs.....	1,037	Total.....	5,305

TABLE NO. 13.

SHOWING THE ARTICLES REPAIRED IN THE HALLS AND FEMALE PAUPER DEPARTMENT DURING THE YEAR.

Chemises.....	3,987	Sheets.....	1,305
Drawers.....	912	Spreads (check).....	149
Dresses.....	645	Stockings, pairs.....	1,567
Duck suits.....	89	Ticks, bed.....	63
Petticoats.....	1,892	Ticks, pillow.....	105
Total.....			10,714

TABLE NO. 14.

SHOWING NUMBER OF VISITORS FROM APRIL 1, 1891, TO MARCH 31, 1892.

April.....	224	November.....	284
May.....	420	December.....	364
June.....	290	January.....	234
July.....	418	February.....	230
August.....	440	March.....	364
September.....	420		
October.....	464	Total.....	4,152

TABLE NO. 15.

SHOWING THE NUMBER OF PATIENTS ADMITTED, DISCHARGED, AND DIED DURING THE YEAR.

	SANE.		INSANE.		TOTAL.
	Male.	Female.	Male.	Female.	
Patients present April 1, 1891.....	298	109	234	251	882
Patients admitted during the year.....	404	115	55	44	618
	692	224	289	295	1,500
Patients discharged during the year.....	311	85	4	1	401
Patients died during the year.....	58	17	31	26	132
	369	102	35	27	533
Patients present April 1, 1892.....	323	122	254	268	967

TABLE NO. 16.

SHOWING THE NATIVITY OF PATIENTS ADMITTED DURING THE YEAR.

	Male.	Fem.	Total.		Male.	Fem.	Total.
Africa.....	0	1	1	Ireland.....	186	55	241
Alsace.....	1	0	1	Italy.....	1	..	1
Austria.....	4	0	4	Norway.....	1	..	1
Belgium.....	0	1	1	Russia.....	1	..	1
Bohemia.....	5	2	7	Scotland.....	10	1	11
Canada.....	3	3	6	Sweden.....	4	..	4
Denmark.....	1	1	2	Switzerland....	7	6	13
England.....	5	9	14	United States.....	132	57	189
France.....	3	3	6	Unknown.....	3	1	4
Germany.....	89	18	107	Wales.....	1	..	1
Hungary.....	1	..	1				
Holland.....	2	..	2	Total.....	459	159	618

TABLE NO. 17.

SHOWING NATIVITY OF PATIENTS DISCHARGED DURING THE YEAR.

	Male.	Fem.	Total.		Male.	Fem.	Total.
Austria.....	3	..	3	Ireland.....	145	36	181
Belgium.....	1	1	2	Norway.....	1	..	1
Bohemia.....	2	..	2	Russia.....	1	..	1
Canada.....	4	3	7	Scotland.....	6	..	6
Denmark.....	1	..	1	Sweden.....	3	..	3
England.....	4	8	12	Switzerland....	4	2	6
France.....	2	1	3	United States.....	66	24	90
Germany.....	71	11	82				
Holland.....	2	..	2	Total.....	315	86	401

TABLE NO. 18.

Showing the nativity of patients who died during the year.	Male.	F'males.	Total.	Showing the nativity of patients who died during the year.	Male.	F'males.	Total.
Austria.....	1	..	1	Prussia.....	1	..	1
Bohemia.....	1	1	2	Russia.....	1	..	1
Denmark.....	1	..	1	Scotland.....	3	..	3
England.....	2	..	2	Switzerland....	1	..	1
France.....	1	2	3	United States.....	26	16	44
Germany.....	23	9	32				
Ireland.....	27	13	40	Total.....	89	43	132
Italy.....	1	..	1				

TABLE NO. 19.

SHOWING THE AVERAGE NUMBER OF PATIENTS ADMITTED, DISCHARGED AND
DIED DURING THE YEAR.

Average No. admitted monthly.....	51.50
“ “ “ daily.....	1.69
“ “ discharged monthly.....	33.41
“ “ “ daily.....	1.098
“ “ died monthly.....	11.00
“ “ “ daily.....	0.361
“ “ in Poor House.....	887.
Largest No. at any one time.....	1005.
Smallest No. at any one time.....	825.
Percentage of deaths.....	8.80

TABLE NO. 20.

SHOWING THE NATIVITY OF PATIENTS IN POOR HOUSE APRIL 1, 1892.

Africa.....	1	Ireland.....	292
Alsace.....	1	Italy.....	1
Austria.....	4	Norway.....	1
Bavaria.....	1	Poland.....	3
Belgium.....	1	Prussia.....	2
Bohemia.....	11	Scotland.....	7
Canada.....	5	Sweden.....	3
Denmark.....	2	Switzerland.....	16
England.....	20	United States.....	314
France.....	8	Unknown.....	56
Germany.....	213	Wales.....	2
Hungary.....	1		
Holland.....	2	Total.....	967

TABLE NO. 21.

SHOWING THE NUMBER, SEX, COLOR, AND NATIVITY OF PATIENTS BURIED IN
POOR HOUSE CEMETERY DURING THE YEAR.

	—WHITE.—		—COLORED.—		TOTAL.
	Male.	Female.	Male.	Female.	
Austria.....	1	..	..	..	1
Denmark.....	1	..	..	..	1
Germany.....	11	4	..	..	15
Ireland.....	14	7	..	..	21
Scotland.....	1	..	..	..	1
United States.....	7	7	4	..	18
Total.....	35	18	4	0	57

TABLE NO. 22.

SHOWING THE NATIVITY, SEX AND COLOR OF INTERMENTS IN THE POOR HOUSE
CEMETERY DURING THE YEAR.

	WHITE.				COLORED.				Still Born.	Total.
	—Adults—	—Children—	—Adults—	—Children—	—Adults—	—Children—	—Adults—	—Children—		
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
Atlantic Ocean...	..	1	..	..	..	..	..	..	..	1
Austria.....	2	..	..	..	..	..	..	..	..	2
Canada.....	2	2	..	..	1	..	..	..	..	5
Denmark.....	1	..	..	..	..	..	..	..	..	1
England.....	6	2	..	..	..	..	..	..	..	8

TABLE NO. 22 — *Continued.*

	WHITE.				COLORED.				Still Born.	Total.
	—Adults—	—Children—	—Adults—	—Children—	—Adults—	—Children—	—Adults—	—Children—		
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
France.....	1	1	...	...	...	...	...	...	...	1
Germany.....	38	8	1	1	...	...	...	...	...	48
Hungary.....	1	...	...	...	...	...	...	...	...	1
Ireland.....	33	17	...	...	...	...	...	...	...	50
Italy.....	1	...	...	...	...	...	...	...	...	1
Norway.....	1	...	...	...	...	...	...	...	...	1
Russia.....	...	1	...	...	...	...	...	...	...	1
Scotland.....	2	1	...	...	...	...	...	...	...	3
Sweden.....	2	...	...	...	...	...	...	...	...	2
Switzerland.....	1	1	...	...	...	...	...	...	...	2
United States....	38	30	32	29	16	15	14	13	56	243
Unknown.....	16	...	3	4	3	...	1	...	...	27
	144	64	36	34	19	16	15	13	56	397

TABLE NO. 23.

SHOWING THE OCCUPATION OF INSANE PATIENTS IN POOR HOUSE, APRIL 1, 1892

	Males.	Females.	Total.		Males.	Females.	Total.
Actresses .....	...	2	2	Hostlers	3	...	3
Bakers.....	9	...	9	Housekeepers .....	...	36	36
Barbers.....	6	...	6	Horseshoers	1	...	1
Basket-makers	3	...	3	Housewives.....	...	65	65
Boiler-makers	4	...	4	Hucksters.....	1	...	1
Book-binder	1	...	1	Iron moulders.....	3	...	3
Book-keeper	1	...	1	Laborers.....	74	...	74
Box-maker.....	1	...	1	Laundresses .....	...	6	6
Butcher.....	1	...	1	Lithographer.....	1	...	1
Cabinet-maker	1	...	1	Lamp lighter.....	1	...	1
Carpenters.....	11	...	11	Lotteryman	1	...	1
Carriage-maker.....	1	...	1	Machinist.....	1	...	1
Cattle driver.....	1	...	1	Marble cutters.....	2	...	2
Chair-makers.....	2	...	2	Mattress maker.....	1	...	1
Cigar-makers.....	2	...	2	Merchant.....	1	...	1
Clerks	6	1	7	Milliner.....	...	1	1
Coachmen	2	...	2	Music teacher.....	...	1	1
Cooks.....	4	...	4	Nihil.....	21	30	51
Coopers.....	6	...	6	Painters	2	...	2
Conductors.....	1	...	1	Peddlers	4	1	5
Domestics .....	...	10	10	Plumber.....	1	...	1
Dress-makers.....	...	3	3	Policeman.....	1	...	1
Druggist.....	1	...	1	Postal Clerk.....	1	...	1
Express driver.....	1	...	1	Prostitutes.....	...	3	3
Farmers.....	8	...	8	Railroad man.....	1	...	1
Firemen.....	2	...	2	Saddler.....	1	...	1
Florist.....	1	...	1	Saloon keepers.....	2	...	2
Furniture maker.....	1	...	1	Salesladies.....	...	2	2
Gardener.....	1	...	1	School teacher.....	...	1	1
Gasfitters	1	...	1	Seamstresses.....	...	9	9
Glass-blowers.....	2	...	2	Servants .....	...	55	55
Glove cutter.....	1	...	1	Shoemakers	5	...	5

Stone breakers.....	1	....	1	Tramp.....	1	....	1
Stonecutters.....	3	....	3	Undertaker.....	1	....	1
Tanners.....	1	....	1	Unknown.....	21	40	61
Teamsters.....	5	....	5	Upholsterer.....	1	....	1
Tinners.....	4	....	4	Whitener.....	1	....	1
Tobacconists.....	3	....	3	Washerwomen.....	....	2	2
Typesetters.....	1	....	1				
Total.....					254	268	522

TABLE NO. 24.

FORM OF DERANGEMENT OF THOSE WHO DIED DURING THE YEAR ENDING
APRIL 1, 1892.

	Male.	Female.	Total.
Dementia.....	7	7	13
Dementia epileptic.....	3	3	6
Imbecility.....	1	3	4
Iodicy.....	1	1	2
Mania, chronic.....	18	13	31
Mania, epileptic.....	1	...	1
Total.....	31	26	57

TABLE NO. 25.

NATIVITY OF THOSE WHO DIED DURING THE YEAR ENDING APRIL 1, 1892.

	Paupers.	Insane.	
Austria.....	....	1	....
Bohemia.....	1	1	....
Denmark.....	1	....	....
England.....	2	....	....
France.....	2	1	....
Germany.....	14	14	....
Ireland.....	32	8	....
Italy.....	....	1	....
Prussia.....	....	1	....
Russia.....	....	1	....
Scotland.....	2	1	....
Switzerland.....	1	....	....
United States.....	16	28	....
Total.....	75	57	132

TABLE NO. 26.

NATIVITY OF INSANE PATIENTS IN POOR HOUSE APRIL 1, 1892.

	Males.	Females.	Total.
Bavaria.....	1	....	1
Belgium.....	2	....	2
Bohemia.....	4	3	7
Canada.....	1	1	2
England.....	1	4	5
France.....	1	2	3
Germany.....	59	75	134
Ireland.....	34	59	93
Italy.....	2	1	3
Norway.....	....	1	1
Poland.....	1	2	3
Prussia.....	1	....	1
Switzerland.....	6	3	9
Scotland.....	4	1	5
United States.....	119	103	222
Unknown.....	16	11	27
Wales.....	1	1	2
Russia.....	1	1	2
Total.....	254	268	522

TABLE NO. 27.

FORM OF DERANGEMENT OF INSANE PATIENTS IN POOR HOUSE APRIL 1, 1892.

	Male.	Female.	Total.
Dementia.....	116	86	202
Dementia, epileptic.....	6	10	16
Dementia, senile.....	7	5	12
Iodicy.....	12	4	16
Imbecility.....	4	9	13
Mania, chronic.....	61	92	153
“ epileptic.....	8	12	20
“ recurrent.....	8	15	23
Melancholia, chronic.....	31	35	66
Pyromania.....	1	....	1
Total.....	254	268	522

TABLE NO. 28.

MORTALITY FOR THE YEAR ENDING APRIL 1, 1892.

	PAUPERS.			INSANE.		
	Male.	Female.	Total.	Male.	Female.	Total.
Aortic Stenosis.....	....	....	....	....	1	1
Apoplexy, cerebral....	1	....	1	2	....	2
Asthenia.....	1	....	1	1	1	2
Accident.....	1	....	1	....	....	....
Alcoholism, acute.....	1	....	1	....	....	....
Brain, softening of.....	1	2	3	3	....	3
Coma, epileptic.....	....	....	....	....	3	3
Cancer of stomach.....	....	....	....	1	....	1
“ “ eye.....	1	....	1	....	....	....
Carcinoma.....	1	....	1	....	....	....
Chill, congestive.....	....	....	....	1	....	1
Caries of spine.....	1	....	1	....	....	....
Debility, general.....	1	3	4	1	1	2
“ senile.....	20	6	26	1	2	3
Dysentery.....	....	....	....	....	1	1
Enteritis, acute.....	....	2	2	....	1	1
“ chronic.....	1	1	2	9	....	9
Epilepsy.....	1	....	1	1	2	3
Exhaustion, maniacal....	1	....	1	1	2	3
Emphysema.....	3	....	3	....	....	....
Fever, malarial.....	1	....	1	....	1	1
“ remittent.....	1	....	1	....	....	....
Gangrene of lung.....	1	....	1	....	....	....
“ senile.....	1	....	1	....	....	....
Heart, fatty degeneration of	1	1	2	....	....	....
Hernia, strangulated.....	1	....	1	....	....	....
Inanition.....	1	....	1	....	2	2
Marasmas.....	....	1	1	1	1	2
Meningitis.....	1	....	1	....	....	....
Mitral insuff.....	2	....	2	....	1	1
Nephritis, chronic.....	4	....	4	1	1	2
Peritonitis.....	....	....	....	1	....	1
Phthisis pulmonalis.....	8	1	9	3	6	9
Pneumonia.....	2	....	2	2	....	2
Septicæmia.....	....	....	....	1	....	1
Uræma.....	....	....	....	1	....	1
Totals.....	58	17	75	31	26	57

TABLE NO. 29.

DISEASES TREATED DURING YEAR ENDING APRIL 1, 1892.

Abscess, cervical.....	4	Frost bites.....	6
“ ischo. rectal.....	4	Furuncles.....	22
“ maxillary.....	3	Gastritis, acute.....	4
“ hand.....	14	“ sub-acute.....	6
“ fingers.....	16	“ chronic.....	12
Amenorrhœa.....	3	Gastro-enteritis.....	3
Anthrax.....	4	Gout.....	1
Arthritis, deformans.....	3	Gastralgia.....	6
Asthénia.....	6	Hæmorrhoids, external.....	14
Asthma.....	21	“ internal.....	8
Alcoholism.....	14	Heart, functional disease of.....	9
Anchyloses.....	5	“ mitral insufficiency.....	16
Amputation, finger.....	1	“ aortic.....	14
Bronchitis, acute.....	110	Hepatic cirrhosis.....	3
“ sub-acute.....	76	Herpes, zoster.....	4
“ chronic.....	83	Iritis.....	3
Burns.....	36	Laryngitis.....	12
Bursitis.....	2	Leucorrhœa.....	3
Brain, softening.....	9	Lupus.....	1
“ hemorrhage of.....	3	Mestitis.....	1
Catarrh, nasal, chronic.....	6	Myalgi.....	6
Cellutitis.....	4	Myelitis, chronic.....	3
Cephalgia.....	41	Morbus, coxarium.....	1
Cholera morbus.....	3	Nephritis, chronic.....	41
Colic, intestinal.....	26	Neurasthenia.....	6
Conjunctivitis, acute.....	27	Otalgia.....	4
“ chronic.....	15	Otitis, external.....	4
Constipation.....	75	“ media.....	13
Contusions.....	27	Paralysis, agitans.....	2
Cystitis, acute.....	6	Paraphymosis.....	3
“ chronic.....	7	Pharyngitis, acute.....	16
Carcinomata stomach.....	2	“ chronic.....	5
Cerebral tumors.....	1	Phthisis pulmonalis.....	38
Chlorosis.....	3	Pleuritis acute.....	6
Debility, general.....	49	“ chronic.....	3
“ senile.....	63	Pleurodynia.....	1
Diarrhœa, acute.....	59	Periostitis.....	4
“ chronic.....	31	Pneumonia.....	21
Dysmenorrhœa.....	4	Paresis of bladder.....	4
Dyspepsia, chronic.....	19	Prostatic hypertrophy.....	6
“ acute.....	26	Rheumatism, acute.....	19
Dysentery, acute.....	14	“ sub-acute.....	24
“ chronic.....	8	“ chronic.....	61
Delirium tremens.....	7	Syphilis, tertiary.....	13
Decubitus.....	14	Sclerosis, posterior spinal.....	4
Eczema, acute.....	6	“ multiple.....	2
“ chronic.....	26	Sprains, wrist.....	3
Emphysema, pulm.....	23	“ ankle.....	7
Empyema.....	3	Synovitis, acute.....	4
Epilepsy.....	50	“ chronic.....	4
Fever, intermittent.....	77	Tenia, solium.....	4
“ remittent.....	16	Tumor of neck.....	1
“ mal cachxia.....	72	Tubercular enteritis.....	6
Fracture of femur.....	2	“ glands.....	2
“ radius.....	4	Tonsillitis.....	23
“ ribs.....	1	Ulcers, chronic.....	180
“ humerus.....	2	Wounds, scalp.....	47
“ clavicle.....	1		

ANNUAL REPORT

OF

QUARANTINE AND SMALL-POX HOSPITAL

For the Fiscal Year Ending March 31, 1892.

W. N. Brennan, M. D., *Health Commissioner*:

SIR — I have the honor to submit the annual report of this institution for the fiscal year ending March 31, 1892, showing briefly the workings of an institution not always utilized but ever ready in cases of emergency.

The number of patients remaining at close of last fiscal year was thirty, number of persons not patients, one. Number of patients admitted since, twenty-six; number of persons not patients, four; making a total of fifty-six patients and five persons not sick.

When one takes into consideration the strong foothold that small-pox had taken in St. Louis some twelve months ago, and of the small number admitted since, it becomes evident to the intelligent observer that the timely efforts of His Honor Mayor Noonan in enforcing isolation and carrying out sanitary precautions against a disease so virulent have borne good fruit.

I am glad to say that this institution as a whole is in a better condition than at any time since my connection with it. The wards and employes quarters have been newly shingled and outside-stairs rebuilt to all.

I would take this time to correct a fallacious idea which seems to prevail regarding Quarantine as a suitable refuge for all the city's crippled or broken-down horses. One minutes forethought is more than enough to convince the most skeptical on this point. The facts are these: We have about fifty acres, half of which is taken up by dwellings, wards, stables, engine houses, etc. etc., leaving the balance for pasture. The stock which must be kept here necessary for the maintenance of the institution will more than keep the grass eaten down. This being the case we would only be compelled by necessity to feed our stock, by outside purchase, for a few months, while now we are obliged to buy grain out of our appropriation three-fourths of the year for our own and the stock of other institutions. The feeding of this stock runs the forage bill up to a considerable item with us, while it lessens the cost to other institutions proportionately.

The fences which once inclosed these grounds are about retired from the "field of duty," having rotted down until now it is not necessary to seek a gate for egress or ingress. Hence we are often visited by persons who have no business with us. This may seem of little consequence but who can tell that, coming in contact with such visitors on *certain occasions*, it might be the means of filling our wards with diseases we are always fighting, and as the old fences must be repaired I would ask that new ones be erected at an early day which will keep people out and those in from staying out.

I would again earnestly call attention to a request made in my last annual report — the repairs of the road through the Barracks reservation to Quarantine. This being known as our road and being used almost exclusively by this institution it comes in for none of the work generally done on the county roads. It therefore becomes the duty of the city to keep it in repair. So I would again ask that the small appropriation of seventy-five dollars — to pay outside help with the assistance of our own force — be granted.

I cannot let this opportunity pass without expressing my views upon a subject which is too rigidly enforced upon some or too lightly upon others: I refer to the question of fumigation. It has been the custom in time of disease at this institution to have the clothes of every individual leaving here fumigated and the individual bathed. We have even taken the precaution of having all mail sent out from here fumigated. These to my mind, are precautions against the spread of contagion, which are absolutely necessary. Now for those, who for some reason unknown to me, have been allowed the privilege of coming and going *ad libitum*, so to speak — the drivers of ambulances — whose duty brings them here with the sick or with infected clothing! These men generally carry

the patients in their arms from the sick beds to the ambulances and from the ambulances to the wards, showing how closely they come in contact with the patients. These ambulances are as full of contagion as any of our wards and yet drivers and ambulances are allowed to depart and return to the city to mingle with the masses, wearing the same clothes which only a few hours before had been in close contact with patients, without having themselves or wagons thoroughly fumigated. If there is any virtue in fumigation, certainly this is a wrong which should be righted.

Before closing I desire to express my warmest thanks to Doctor M. C. Woodruff, who has so intelligently and faithfully performed his duty to the patients and others who needed his kind attention. I can honestly bear testimony to his worth and to his vigilance in the discharge of his duties.

With sincerest thanks to you, sir, for your kindness,

I remain, yours very respectfully,

DAN O'MADIGAN,

In charge of Quarantine and Small-Pox Hospital.

FINANCIAL STATEMENT
OF
QUARANTINE AND SMALL POX HOSPITAL,
FOR THE
FISCAL YEAR ENDING MARCH 31, 1892.

Amount of Appropriation		\$12,938 61
Expenditures —		
Cart tickets.....	\$5 00	
Coal oil	16 01	
Drugs, instruments and supplies.....	161 83	
Forage and bedding for horses	1,967 12	
Fuel.....	343 17	
Groceries.....	907 76	
House furnishing goods and furniture	265 57	
Ice.....	137 56	
Infected clothing and bedding destroyed	327 65	
Labor and material for repairing buildings, etc.....	397 73	
Labor and material for repairing fences, etc.....	8 65	
Meat and fish.....	720 39	
Oils, packing, waste and tools used by engineer	6 70	
Printing and stationery (including postage).....	53 50	
Repairing roofs of small-pox wards.....	1,000 00	
Repairing vehicles and harness, shoeing horses.....	140 35	
Salaries of employes.....	5,733 36	
Vegetables	197 70	
Total expenses of the year	\$12,390 05	
Amount taken from appropriation to pay last year's		
bill.....	138 61	
Balance reverting to City Treasurer	\$409 95	\$12,938 61

ANNUAL REPORT OF PHYSICIAN IN CHARGE.

W. N. Brennan, M. D., Health Commissioner:

SIR—I have the honor to make the following medical report of the Quarantine and Small-pox Hospital, for the fiscal year ending March the 31st, 1892, together with a statement of pertinent facts and information to the present date.

Number of patients remaining at the close of last fiscal year was thirty (30).

Number of persons not patients was one (1); number patients admitted during present fiscal year was twenty-six (26).

Number persons not patients admitted was four (4).

Making a total of fifty-six (56) patients and five (5) persons not patients receiving treatment, attention and excellent nursing for the fiscal year ending

Of these 55 patients admitted 50 had Variola in some of its numerous forms. Three were suffering from Typhus fever, one from a Malaria Remittent fever, one from Spasmodic Croup, the other one from Gastritis.

Of these 55 patients suffering from various diseases there were six deaths from the following causes:

Variola confluens two (2).

Intussusception one (1).

Nephritis complicated by Asthma one (1).

Strangulation (suicide) one (1).

Gastritis one (1).

Showing a death rate of $10\frac{20}{100}$ per cent. of all patients treated during the fiscal year.

Of the 55 patients treated in this institution for the fiscal year 25 of the same were under my personal observation.

The remaining 30 were treated by my predecessor, Dr. J. S. Kimbrough; 27 of them successfully, with three deaths.

Of the 25 under my personal observation there were three deaths.

One the result of Variola Confluens.

One from Gastritis, the other one a case of suicide.

The treatment in vogue by myself has been, to nourish and stimulate my patients; keep their bowels from moving too freely or vice versa. Keep the fever from running so high as to be dangerous and exhausting to the vital forces. And meet any other indication or complication that may be present or arise during the progress of the disease.

Special attention was also given to the eyes, cleanliness being enforced.

Impressing upon the minds of the nurses the necessity of washing out the accumulative matter which will of necessity occur. Also using an antiseptic wash for the inner surface of the eyelids. The simple neglect of this slight precaution often leads to serious complications, such as iritis choroiditis conjunctivitis, etc., which are not only dangerous to the patients' sight, but exceedingly hard to control.

As for the decapitation of the pustules as referred to by my predecessor in his last annual report, I can only say that no such treatment could result advantageously to any patient.

It being the desire of every physician to keep the patient's body in an aseptic condition, it would be any thing in my mind but practical, to open up the pustules over the entire body, thereby opening up an easy entrance for all the septic matter which is bound to accumulate in or about a ward. The only attention paid to the pustules by myself, has been to keep them well covered with a solution of Listerine, Glycerine and Carbolic Acid. This has and I have no doubt will meet all the requirements.

The question of vaccination as a preventive has been so conclusively proven to be the sheet anchor par excellence against the ingress of this horrible pest, variola, that any further comment from my humble pen would be superfluous.

But upon the question of revaccination I think too much cannot be said, since I have taken the time and trouble to go over the records of this institution and find that 73 per cent. of all cases admitted to this institution have at some time of their lives been vaccinated. This in itself, is *prima facie* evidence that a vaccination of fifteen, twenty or thirty years standing is worse than useless, as far as contagion goes.

I don't want to be understood as saying the single vaccination is useless, regard the mortality, as the death rate among those who had not been vaccinated was $86\frac{25}{100}$ % compared with $23\frac{77}{100}$ % of those who had been vaccinated, showing a difference of $63\frac{48}{100}$ % in favor of those who had been vaccinated. With these figures at our command it is plain to the intelligent observer the necessity of vaccinating every eight or ten years at least.

I think no better or fitting illustration of the truth of my assertion could be cited than to call to mind, the last case of variola admitted to this institution. J. F. W., age 45 years, had been vaccinated when 15 years of age, with good result and good mark. This vaccination, which was thirty years old, led the aforesaid J. F. W. to the erroneous belief that he was exempt from contagion, so he exposed himself to contagion, whereas, had he had no such worn-out preventive he would have been slow to expose himself, or had he been educated to believe in revaccination instead of single vaccination, he would never have been admitted as a patient to the white-washed wards of Quarantine.

I trust that the point I have tried to make plain, of the necessity of revaccination will be well understood. As to the season of the year, at which variola is prevalent, from the limited observation made by myself, I would say it regards neither time nor season. We had a cessation at the institution from April the 14th until May the 3rd; on July the 7th the institution was closed and remained so until the 3rd day of September, closing again on the 17th day of October, to

be opened on the 23rd day of February, 1892, with a disease entirely foreign to this climate. I refer to Typhus fever. Everything was done to make our patients as comfortable as possible; the treatment was the same as would have been prescribed in Typhoid fever with good result.

We were unfortunate enough to lose one of our Typhus fever patients by suicide, an official notice of which was made you at the time.

This deplorable accident could in nowise be attributed to negligence on the part of the nurse, who was in the ward in the performance of her duty at the time.

As none of these patients who accompanied these Typhus fever patients, or any of the help, who have come in daily contact with them, have developed the disease, I give it as my opinion that the pathogenetic agent or whatever causes the disease, don't thrive in this climate, or the sanitary precaution taken has been too much for it.

In conclusion permit me to express my thanks to Mr. and Mrs. O'Madigan for the assistance and many courtesies they have extended to me.

Yours respectfully,

M. C. WOODRUFF, M. D.

TABLE No. 1.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
Patients remaining at close last fiscal year.....	21	2	6	1	30
Persons not patients remaining				1	1
Patients admitted during present fiscal year.....	21	3	1	1	26
Persons not patients admitted.	2	2		1	5
Patients died during the year.....	4	1	1		6
Patients and persons discharged during year.	35	3	6	4	48
Patients remaining April 1st, 1892.....	3	1			4
Persons not patients remaining April 1st, 1892.....	3	2			5
Total number inmates remaining April 1st, 1892.....	5	3			8

TABLE No. 2.
SHOWING CHARACTER OF DISEASE.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
Variola Confluens.	2				2
Variola Semi-Confluens	2		2		4
Variola Hæmorrhagica	1				1
Variola Discreta	18	2	4	1	25
Varioloid	15	1	1	1	18
Typhus Fever.	1	1			2
Malarial Fever		1			1
Spasmodic Croup	1				1
Gastritis.	1				1
Total	41	5	7	2	55

TABLE No. 3.
SHOWING DURABILITY OF VACCINATION.*

	Variola Confluens.		Variola Semi-Confluens.		Variola Hæmorrhagica.		Variola Discreta.		Varioloid.		Total.
	W.	Col.	W.	Col.	W.	Col.	W.	Col.	W.	Col.	
Patients vaccinated with good results.....					1		2	1	3		7
Patients vaccinated with fair results.....			1	1			2	2	10	1	22
Patients vaccinated with poor results.....	1		1	1			1		1		13
Patients never vaccinated.....	1		1				4		2		8
Total											50

* Notice that 84 per cent. of these patients had been vaccinated.

ANNUAL REPORT OF CHIEF SANITARY OFFICER

For Fiscal Year Ending April, 1892.

Dr. Wm. N. Brennan, Health Commissioner:

SIR — I have the honor to submit the Annual Report of the Sanitary Division for the fiscal year ending April 1st, 1892.

Under the head of Sanitary Division a branch of the Health Department has, during the past seven years, been organized and operated and to this division has been assigned the charge of the following matters:

First, the keeping of the record of contagious diseases reported to the Health Commissioner.

Second, the placarding and examining of houses from which there have been reported diphtheria, scarlet fever, or small-pox.

Third, the examination of all unsanitary matters reported and the preparing and issuing of the proper order for their abatement.

Fourth, the ordering of sewer connections, and the reconstructing of defective plumbing.

Fifth, the disinfection of all houses in which there have been contagious diseases.

Sixth, the abatement of unsanitary matters on public property. While the execution of this latter work is by ordinance placed under the charge of the President of the Board of Public Improvements, it has by an understanding with Honorable Geo. Burnet, President of the board and also his predecessor, Hon. Henry Flad, been left under the charge of, and in a great measure to the discretion of, the Chief Sanitary Officer, and this is partly due to the fact that the Chief Sanitary Officer is necessarily more familiar with the unsanitary condition of public property and what measures are most urgently required to improve the sanitary condition of various localities of the city.

The duties as performed by the Sanitary Division are not specifically prescribed by any ordinance, but this work has been in a measure assigned to this office by the Health Commissioner; there have never been any rules made by the Health Commissioner and approved by the Board of Health, directing how this office should be governed, or designating what work it should perform; not even is the question of who is to direct the employes of the office been, by any rule or order, determined; the work has been taken up and from time to time added to as circumstances presented themselves.

A new Health Commissioner coming in discovers a division, which is almost a department, existing under him for the government of which he finds no specified laws nor rules and learns that it has only been a custom for such and such matters to be looked after by the sanitary office.

Again, while all papers are prepared in the Sanitary Division and all examinations made by sanitary officers, these papers to be valid must all be signed by the Health Commissioner who necessarily has but slight knowledge of what work is done in the division, and has no knowledge of the cases made until they are presented to the Board of Health for its adjudication. The sanitary officers appear before the Board of Health and make their statements; the Chief Sanitary Officer sits with the board and explains the cases, acting in this respect in a position similar to that of prosecuting attorney; but this is only another matter of custom and there is no authority for it.

The disinfection of houses is another duty performed by the Sanitary Division for which there is no specific authority, and when persons object it cannot be enforced.

Under the head of abatement of nuisances the Health Department yearly put

down a large amount of temporary sewers known as sanitary sewers and the Health Department claim jurisdiction over these sewers, and I believe it is proper that it should control them, but there is no law governing this matter nor is there any law specifying how these sewers may be used, by whom or under what conditions, or what may be allowed to be discharged into them; the whole question is undefined; under the present custom the decision is left to the discretion of the Chief Sanitary Officer.

As the city grows these duties and responsibilities coming under the supervision of the Sanitary Division become more numerous and important, and in my judgment the subject is one that should be defined and regulated by the Municipal Assembly, and while I do not advocate the organization of the Sanitary Division as a separate department, or the removal of the general control of it from the Health Commissioner and Board of Health, still I believe that a law should be enacted defining what shall be the duties of the Sanitary Division, and under whose supervision and how they shall be performed.

The Health Commissioner should, in my opinion, be relieved of the responsibilities of matters which he now has to bear and which he has not the time to examine in any way before acting upon. In many of the cases brought by the Sanitary Division before the Board of Health, there is a conflict between public comfort, convenience and health on the one hand, and the claims of commerce and industrial interests on the other; these claims demand careful and unbiased action on the part of the Health Commissioner; can he give this without definite knowledge of the details, surroundings and causes? Is he not doing himself an injustice and the citizens an injury in attempting to pass upon these important questions without this knowledge? For instance the Sanitary Division prepares papers condemning a business as a nuisance; the Health Commissioner signs all these papers; under his orders parties are brought before the Board of Health charged with carrying on a business in such a manner as to create a nuisance; the charge is made by the Health Commissioner, the papers are issued over his own signature, the orders to abate are signed by him, and where legal proceedings are taken they are had in his name, but of the facts in the case he himself really is ignorant, still in the eyes of the law he is the one who prosecutes the case, and in the opinion of the citizen he is the one who is responsible for the charge. There certainly is a defect in all this which should be remedied.

While on the question of legislation I will call attention to the slow and unsatisfactory methods by which minor nuisances are now abated; the manner of abating nuisances coming under the head of filthy yards, cellars, etc., should be more expeditious.

The examination made this spring by the sanitary officers of the tenement district between Sixth and Fourteenth streets, Morgan and O'Fallon streets, disclosed a multitude of this class of nuisances which were found very difficult to remove. The hands of the department in this respect should be strengthened; emergencies may some day arise when this defect in our laws may cause serious results.

DIPHTHERIA, SCARLET FEVER AND SMALL-POX.

Diphtheria.

During the past year the number of cases of diphtheria reported, has been slightly greater than the preceding year; seven hundred and fifty-four (754) cases and two hundred and thirty (230) deaths as against six hundred and ninety six (696) cases and two hundred and fourteen (214) deaths of the previous year.

By reference to the tables numbered six (6) accompanying this report, which tables show the cases of diphtheria by wards during the past five years, it will be seen that in the 5th, 7th, 9th, 11th, 21st, 23d and 25th wards, in which wards there are one hundred and seventy-seven (177) dairies, being one-half of the total number in the city. The number of cases of diphtheria to one thousand inhabitants is twenty (20), while in the 1st, 2d, 3d, 4th, 8th, 10th, 14th, 15th, 17th, 19th, 20th and 22d wards, in which wards there are only four (4) small dairies, the number of cases of diphtheria to the one thousand inhabitants is only eleven: and going back to the fiscal year of 1886, the records will show that in that year there were three thousand five hundred and four (3,504) cases of diphtheria reported, one half of which number were reported from the same

wards in which are located one-half of the dairies of the city; the reports of the fiscal year of 1887 makes the same showing.

I have always believed that the very gross unsanitary condition of these city dairies affects the milk which is sent out through the city from them, and consequently affects the consumers; and the discharge of all the filth of these dairies directly into the sewers, has a very marked influence on the sanitary condition of those houses which have connection with these sewers. Medical reports show that, both in Scotland and England, several epidemics of diphtheria have been caused by the milk sold from unsanitary dairies and diseased cows. There is another matter which I will also call to your attention, viz., that the tables will show that during the summer months, when diphtheria almost disappears entirely from the wards of the city in which there are no dairies, that it never relaxes its grasp in what may be termed the dairy wards of the city.

SCARLATINA AND SMALL POX.

The number of cases of scarlatina reported during the past year has been one third less than during the preceding year. While the ratio of deaths from diphtheria in proportion to the number of cases reported has been over thirty per cent., the ratio of deaths from scarlatina has been only slightly over eleven per cent.

The number of cases of small-pox reported was only twenty (20) against fifty-two (52) reported last year; of the twenty cases reported eighteen (18) were reported during the months of April and May; during June, July and August there were no cases; in September there were reported two (2) cases, and during the last six months of the fiscal year there has not been a single case reported.

In last year's report I called attention to the neglect on the part of the physicians in reporting cases of contagious diseases to the Health Commissioner, and I recommended that the ordinances in relation to the reporting of contagious diseases, the placarding of houses, and the disinfection of premises from which there had been reported contagious disease be revised and made more effective. It is impossible for the Health Commissioner to take proper measures to prevent the spread of communicable diseases unless he receives prompt and full notice of their existence.

BONE BURNING AND RENDERING ESTABLISHMENTS.

These manufactories have for years been the source of continual complaints, on the part of the citizens, and have been subjects which have given endless annoyance to all the different boards of health, commencing with the first board in 1867.

The settlement of the question of abating the nuisances created by these places, has been a subject that boards of health and health officers have for years been striving to accomplish, but the proprietors have for years carried on a long and bitter fight against the health authorities. Different boards of health have attempted to regulate and control, and in some instances to expel these factories, but to-day, after years of hard work on the part of the Health Department, these places still exist, still defy the laws of the city, and still operate their business with a wanton disregard of sanitary requirements, and their offensiveness sicken and disgust the citizens of the city. These pursuits are objectionable and injurious under the most favorable circumstances, but when carried on in improper places and by unscientific methods, they become terrible nuisances.

The odors that emanate from these establishments are nauseating and sickening to the highest degree; very little is done to neutralize these disgusting odors, and the attempts made by the proprietors to remedy the defects are for the most part imperfect and unscientific. In 1878 Dr. Geo. Homan was Chief Sanitary officer of the city, and in his report he refers as follows to the rendering establishments at Lowell:

"The nuisance to which they give rise is due to the liberation and diffusion of foul vapor and fatty odors during the process of cooking decomposed tainted tallow, lard, etc. During warm weather much of this material has become rancid before it reaches the rendering houses, and, when heated, if great care is not observed and special appliances used, the escaping odors will be of an intolerable character. They are carried by the wind to considerable distances,

cling tenaciously to woolen fabrics and when they enter dwellings through open windows in warm weather, it is a task of some difficulty to free the rooms of their presence. The odor of rancid tallow, bone fat, etc., is peculiarly penetrating, dense and nauseous when accompanied by the vapor of hot water. Great indifference has been shown in the past, by the proprietors of such places, to the annoyance and discomfort inflicted on their neighbors by reason of such emanations; and in consequence of complaints many of these establishments have been condemned as nuisances."

What Dr. Homan wrote in 1878 is perfectly applicable to the same establishments and the same locality in 1892; these factories are still there, and their owners have done very little towards improving the manner of conducting their business. So successfully and stubbornly have the bone factories and rendering establishments conducted their fight against the Health Department, that the officers of the Department became disheartened and began to look upon the task of abating these nuisances as an almost hopeless one, but last summer the citizens of North St. Louis held meetings, organized themselves, and appointed a committee to wait on the Board of Health and demand that steps be taken to rid the citizens of North St. Louis of the terrible nuisance created by these establishments. The committee composed of Messrs. Louis Fusz, Isaac H. Sturgeon, Robert McCulloch and Frederick Schwartz, appeared before the board, and requested that the board take action, and pledged their support to the board and promised to employ proper persons to assist the city attorneys in the prosecution of the cases; these gentlemen have done all they promised.

Before commencing proceedings the Board of Health visited the locality where these establishments are situated and found six rendering establishments and two bone factories located in the territory bounded by De Soto street on the South, Adelaide avenue on the North, Second street on the West, and Hall street on the East. The Board found all these establishments unprovided with any means of draining off their refuse liquid waste except by allowing it to empty into the old bed of what was known as the old Gin Grass creek; this discharge from these places into this small water bed had formed a stagnant slough which was terribly foul and reeking, and which, under the hot July sun, gave forth a horrible stench.

The Board found the rendering works to be, with one exception, frame buildings, loosely put together, and these buildings, both inside and outside, filthy and ill-smelling, not the slightest attempt being made to control the odors coming from them. The mode of tanking was found to be in closed tanks, and the residue from the tanking was disposed of to the bone factories to be used in making fertilizing material.

It was found that the wagons hauling the garbage, etc., to the rendering establishments, came through the streets at all hours of the day, that all of them were unprotected, and that the vile smells from their contents, which were very often in a semi-putrid condition, was of itself a very disgusting nuisance.

The bone factories and fertilizing works were found to be in a condition very little better than the rendering works, the recooking of the tankage and the burning of the bones giving off an intolerable effluvia.

The Board cited the proprietors of these places to appear before it, and notices were served on Joseph Pfeffer at Hall and De Soto streets, Frederick Holste at Talcott avenue and Hall street, Flynn and Winter at Adelaide avenue and Hall street, Joseph P. Funk at Benedict and Adelaide avenues, Herman Holste, Benedict near Withers avenue, and James Stark, at Benedict, near Withers avenue, to appear before the Board of Health and show cause why their rendering establishments should not be condemned as nuisances; notices were also served on P. B. Mathiason, conducting a bone factory and fertilizing works on Adelaide avenue and Second street, and the A. B. Mayer Manufacturing Co., conducting a fertilizing works on Second street and Withers avenue, to appear before the Board.

In July and August these cases were heard; the parties could offer little or no defense and the board condemned all these establishments as nuisances and ordered their abatement. No steps being taken to obey the order of the Health Commissioner, in September the proprietors of the rendering establishments were brought before the Second District Police Court.

After a long and tedious trial the court on November 21st, 1891, by its decision sustained the action of the Board of Health and Health Commissioner, and fined the defendants one hundred (\$100.00) dollars each. An appeal to the

Court of Criminal Correction was at once taken by the defendants, and, after some delay, the cases were set for trial; then the counsel for the defendants filed a motion to dismiss the cases; this motion was taken under advisement by the judge, and after several weeks a decision was given overruling the motion, and the cases were again set for trial. Just at this time Mr. Sim. T. Price, the attorney employed by the citizens of North St. Louis to prosecute these cases, was taken ill and was unable to attend court. About the middle of March, Mr. Price having regained his health, the court again took up the cases and fixed a day on which they were to be tried. New motions were then made by the attorneys for the defense tending to delay the trial of the cases, and on April 1st, 1892, these motions being overruled by the court, the trials proceeded and are now pending.

While the cases against the rendering establishments were pending in the Court of Criminal Correction, the A. B. Mayer Manufacturing Company made application to the Sewer Department for permission to connect their establishment with the city sewers; the Sewer Commissioner refusing to grant this permission a suit was commenced in Circuit Court No. 4, to compel the Sewer Commissioners to grant the permission asked for.

Whilst this case was pending, the parties making the application finding the ground on which they had made the application untenable, dismissed the case and the A. B. Mayer Manufacturing Company proceeded to make the connection without any authority. After they had made a connection with the public sewer on Withers avenue and Second street, this company went before Judge Klein of Circuit Court, No. 1, and asked that an injunction be issued against the City of St. Louis and Chief Sanitary Officer Charles W. Francis, prohibiting them from disturbing, or in any way interfering with the connection made. The case was tried and the testimony of both sides was closed on March 31st, and the case will be argued before the court on Saturday, April 9th.

The city in this case objected to allowing the connection to remain:

First, because it was made without any authority or permission, and in a manner prohibited by law.

Second, because the character of the discharge from the establishments of these parties into the public sewers, created a nuisance affecting the comfort of other parties who had connection with the same sewer.

Third, because the character of the discharge tended to damage the sewers.

Fourth, because the sewers into which this material was discharged led into a large public sewer from which sewer the discharge was likely to reach the river at a point but a short distance above the city water works.

In order to sustain the position taken by the city in relation to the obnoxious and dangerous character of the discharge from these works, Mr. Wm. C. Marshall, the City Counselor, employed Dr. D. V. Dean, a well known physician and chemist, to make an examination of these sewers and the character of the discharge; and as Dr. Dean's report contains very valuable information bearing on this case and all similar cases brought by the Board of Health against parties in that district conducting a similar business, I herewith embody the same in this report.

DR. DEAN'S REPORT.

"No. 1a. The yellowish mass taken from sewer inlet southwest corner of Second and Withers avenue, is a sticky magna or thick residuum of soft disorganized, horny, connective, elastic muscle, fatty and tendon tissue containing some albumen, fat and glycerine and volatile, fatty acids. It comes finally suspended in the warm watery inflow. It is lighter than water and rises to the surface as the water cools or is at rest. A considerable quantity remains on the surface in the inlet traps, and more or less adheres to the sewer walls or pipes wherever it comes in contact with them.

Where opportunity offers, volatile fatty acids from chalk soaps or lime soaps, and in time this material is likely to be detrimental to the water, or cement of the sewers in which it is carried. The volatile fatty acids of the mass have a very rancid odor that remains with them as long as they themselves remain, and the inflow is at a temperature to give off vapors and to favor effluvia. Putrefaction and decomposing moulds and bacteria thrive on the surface of the mass.

The specimen in the bottle, marked No. 1a is one part by weight of this mass added to a thousand of water. The equivalent by weight of a gallon of water would have the same appearance in a thousand gallons of water. As it will not

break up in cold water by great agitation, it will not be distributed equally after it reaches the river.

No. 1b is the fluid as it enters the inlet warm from the rendering works. It gives off all the offensive odors of the acids mentioned in connection with No. 1a, and contains sufficient nitrogenous matter for the maintenance of putrefactive bacteria with which it becomes loaded in a short time, its original warmth favoring their early germination and development.

The bottle marked No. 1b contains one part added to a thousand parts of water.

No. 2. From man hole in alley between Second street and McKissock, and Withers and Adelaide, at connection with pipe leading through privy vault. It is a tangled felted mass of long and short hair from various animals including rats, boneblack, ordinary dirt and disorganized animal matter, spiracles and wings of flies among the rest though this is not "fly time." The mass is so tied together as not to permit separation and equal distribution in much water in motion, or to move readily on the sewer bottom.

The bottle marked No. 2, contains one part of it added to a thousand parts of water.

The contents of the sewer gives off less of fatty acids than those of Nos. 1 and 2, but exhale the more acrid, penetrating, persisting and all pervading odor of a bone burning establishment, perhaps no other odor being comparable to that of burnt and burning animal tissue. Sulphuretted hydrogen exists in some quantity, but only a trace could be found of carburetted hydrogen or so called marsh gas.

No. 3. From man hole N. side of Prairie avenue in alley East of Second street, before junction of the sewer running South with Prairie avenue sewer. It contains a matted mass of ravelings difficult to separate, vegetables unchanged except by rotting, being apparently coarse fodder, changed starch apparently partly digested as in animal manure or droppings, some hair and friable, disintegrated mortar or cement, and ordinary sewer dirt. From this material and from the sewer air comes a mixture of mephitic odors above and through all of which the acrid odor from burnt animal matter is pronounced and unmistakable.

The bottle marked No. 3 contains one part to the thousand of added water, omitting the coarser changed mortar.

Every where outside of the sewers, the emanations from putrifying animal matter yet adhering to the stacked and other bones, the acrid odors of the product of combination of animal matter, and the rancid odor of fatty acids produced by treating fats by ordinary or super-heated steam, can be perceived and almost separately distinguished by the smell.

Pure unpoluted air and water, and wholesome unadulterated food form the tripod on which sanitation rests. The water we drink, and use otherwise without cooking or boiling is not inconsiderable; but of air we take into our lungs 2,000 gallons, more or less a day, and it goes largely directly to the blood.

Temporary exposure to places like these Lowell establishments almost invariably causes with the inexperienced nausea, afterwards vomiting, and frontal headaches, the latter lasting frequently for hours after removal from exposure. With *constant* exposure, many acquire a tolerance and these symptoms do not recur. There is a dulling or destruction of the sensitiveness of the sense of smell. There are those who claim such places are healthful and even curative for those who become inured to them. But the health of the workers is not, I believe, of the kind you or I want, and I think no physician with us would send a patient to Lowell for his health.

Yet it is true that the discomfort, suffering and sickness are most marked with those who live at a little distance from this and other such places, receiving the odors intermittently or now and then, and with those who occasionally or temporarily pass through the immediate vicinity. Certainly, ordinary sewer air is not improved by the addition of these noisome gases and odors. All insoluble substances too heavy or too much entangled or otherwise connected together to be carried by the ordinary sewer flow or flushings form deposits and favor the discharge of sewer air into the outer or surrounding air.

All sewage or fluid of elevated temperature passed into sewers favors and accelerates the putrifactive changes of sewage, and with chemically injurious substances, unfavorably affects the sewers themselves.

It must be evident that the much or the little of the insoluble, nearly inseparable deposits in the sewer, from which samples described were taken, if car-

ried to the river above and near the present water works inlet-tower, will not be so divided by any quantity of diluent or water movement as to be equally distributed, but will go unequally distributed much as the immiscible parts of some medical so-called mixtures go to the stomach of the patient in unequal doses. If such masses be not carried by the river, that is do not go to the river, they should not go to the sewer."

There is no question but these establishments must be removed in order to insure the health and comfort of the citizens living in the Northern end of the city, and I recommend that the cases now pending against them be vigorously prosecuted. I also recommend that an ordinance be prepared and submitted to the Municipal Assembly to regulate the keeping, storing, handling and licensing the removal of garbage, grease and offal; the present laws are defective, and the manner in which the stuff is now handled is very objectionable.

In August, 1890, an ordinance was passed by the Municipal Assembly authorizing the Mayor and Health Commissioner to enter into a contract for the sanitary disposal of all slops, offal, garbage and animal matter by what is known as Merz process; and under this ordinance the Mayor and Health Commissioner, on the 14th day of November, 1890, entered into a contract with the St. Louis Reduction Co. (which company was afterwards changed to the St. Louis Sanitary Co.), by which contract the company agreed to dispose of all slops, offal, etc., by the Merz process for a period of ten years. The price agreed upon in the contract is nine (9) cents per hundred pounds for all slops, offal, garbage and animal matter delivered to the company by the City of St. Louis, and when the quantity delivered by the city exceeds one hundred tons daily, the excess shall be treated free of charge.

In the contract the city agrees to deliver to the company the offal, slops, etc. This contract was approved by the Council on December 20, 1890.

During the past year the Sanitary Company constructed very extensive works on Second street between Wright street and St. Louis avenue, and in November last the company commenced to receive the offal, slops, etc.

The operating of this establishment has been very closely watched both by the citizens and the Health Department; so far there has been no complaint from the citizens and the Health Department has been well satisfied with the result.

If this process continues to be successful, it will solve the problem of the disposition of the offal and garbage, which has been a question the solution of which the Health authorities have for years been endeavoring to solve.

The ordinance for the removal of slops is defective and I recommend during the coming year a new ordinance be prepared and submitted to the Municipal Assembly thoroughly regulating this matter, so that the new contract for the removal of garbage, which is to be let in 1893, can be made more effective and satisfactory to the citizens; under the provisions of Art. 16, Chap. 14 of the Revised Ordinances, a large portion of the city was omitted and this required an amendatory ordinance, which ordinance was passed July 12th, 1890; both of these ordinances are defective, a discrimination being made in relation to certain parts of the city; and in addition, under the present system there are seven separate contracts; in my opinion the whole should be put under one contract.

DAIRIES.

An examination made lately by the officers of this Department show the number of dairies within the city limits to be three hundred and sixty-eight (368, and the number of cows in these dairies nine thousand and ninety-nine (9099).

This enumeration of dairies may not be strictly correct as the examination was very hurriedly made, but the dairies are in the same filthy, unsanitary condition that they have been for years. The present laws in relation to them are defective, and it appears to be impossible to have an ordinance passed to properly regulate them.

THE ABATEMENT OF NUISANCES ON PUBLIC PROPERTY, AND SANITARY DRAINAGE.

During the past year eighteen thousand seven hundred and thirty-four (18,734) feet of sewer pipe has been laid; this pipe was put down for the purpose of draining ponds on public property, and for providing temporary sewerage for the localities beyond the reach of the present regular sewer system of the city; this work is very important in a sanitary point of view, and gives great relief to the citizens who have established their homes in the Western portion of the city.

During the past six years ninety thousand (90,000) feet, or over seventeen miles of sewer pipe have been laid by the Health Department; this is almost a sewer system of itself, and, as I have mentioned in a previous part of this report, the doing of this work should be more definitely regulated by ordinance. There is no law in relation to this sanitary drainage, and the Chief Sanitary officer is often placed in an embarrassing position. Citizens living along the line of these pipes frequently desire to use them in such a manner as it is impossible to allow; and there being no law regulating the matter, his authority is often brought into question; it is only through a verbal arrangement made with the Sewer and Street Commissioners, that the Health Department is enabled to exercise any control over these sewers.

There is another matter which deserves consideration by the Municipal Assembly; it is the putting down and laying out systems of temporary drainage in the subdivisions of the Western portions of the city. Many of the new subdivisions have put down a system of sewers that empty out in the open ground, and the discharge from them finds its way either to the River des Peres, or to small streams that discharge into the Mississippi river above the water works. In many cases these pipes are discharged on to private property and thereby create a nuisance, and the citizens owning such property apply to the city authorities for relief, claiming that the city having allowed these pipes to be put down, must provide for the abatement of the nuisance they create.

An ordinance empowering the Board of Public Improvements to grant the authority to lay temporary sewers and providing for their manner of construction, their government, and under what conditions they shall be allowed to be laid, should, in my opinion, be enacted by the Municipal Assembly.

SANITARY OFFICERS.

The number of sanitary officers allowed in this division is entirely too small to properly inspect the city. As at present arranged, two men are employed in placarding and examining houses from which there have been reported contagious diseases; three men are employed in disinfecting houses; two are required for the clerical work in the office, which leaves but five men and the Chief Sanitary Officer to look after the sanitary condition of the city.

Considering the large extent of territory covered by the city, and the multitude of different kinds of unsanitary matters that require the attention of the Sanitary Division, it will be readily seen that it is impossible with only five men to properly do the work, and I would recommend that you call the attention of the authorities to this matter and request that a larger appropriation be made so that the force can be increased.

I desire to return my sincere thanks to your predecessor, Doctor George F. Dudley, for the hearty co-operation given me in the management of the Sanitary Division; and to yourself I tender my best wishes for your success in the new position to which you have been called.

Respectfully,

CHARLES W. FRANCIS,

Chief Sanitary Officer.

TABLES ACCOMPANYING REPORT OF CHIEF SANITARY OFFICER.

Table No. 1.	Record of contagious diseases.
" 1. cont.	Record of contagious diseases not fully reported.
" 2.	Showing cases and deaths from diphtheria by wards.
" 3.	Showing diphtheria by districts.
" 4.	Showing sanitary condition of premises where diphtheria and scarlatina existed.
" 5.	Showing cases and deaths from diphtheria for the past six years and three months.
" 5. cont.	Showing cases and deaths from diphtheria for the past six years and three months by districts.
" 6.	Showing diphtheria by wards during the past five years; also giving the number of slaughter-houses and dairies by wards.
" 7.	Showing deaths from typhoid fever for the past twenty-six years; also the length of sewer and water pipe in service in each year.
" 8.	Nuisances found by months.
" 9.	Miscellaneous matter in connection with the operating of the sanitary division.
" 10.	Showing dairies and slaughter-houses by wards.
" 11.	Work done in abating nuisances on public property and cost of same.
" 12.	Statement of expenditures paid out of the fund of the abatement of nuisances.
" 13.	Statement of expenditures of sanitary officers and fumigators, and rent of offices.
" 14.	Statement of expenditures for printing, stationery, keeping horses, and disinfectants.
" 15.	Showing amount and cost of disinfectant used and paid for out of Typhus Fever fund.

TABLE NO. 1.
RECORD OF CONTAGIOUS DISEASES.

1891 and 1892.	Small Pox.		Diphtheria.		Scarlatina.		Croup.		Typhoid Fever.		Measles.		Total.	
MONTHS.	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
April	4	...	70	23	69	8	15	6	15	10	242	12	415	59
May	14	...	50	22	73	6	8	2	20	9	245	7	410	46
June	...	...	24	11	59	3	3	3	19	11	97	7	202	35
July	...	...	43	14	44	2	5	5	42	17	25	6	159	44
August	...	...	40	13	66	6	3	3	48	12	3	...	160	34
September	2	...	78	15	71	5	6	4	85	32	2	1	244	57
October	...	...	96	34	74	7	25	19	78	26	3	...	274	86
November	...	...	81	23	83	15	23	15	30	11	3	...	220	64
December	...	...	101	27	139	16	17	10	39	16	6	1	302	70
January	...	...	77	21	94	12	17	11	22	13	8	...	218	57
February	...	...	43	11	113	23	11	3	22	8	6	...	195	45
March	...	...	51	17	63	6	17	10	18	7	29	2	178	42
Total	20	...	754	231	948	109	150	91	436	172	669	36	2977	639

Number of houses posted in which there were contagious diseases	1734
" " fumigated	1300

TABLE NO. 1. — Continued.

MONTHS.	Erysipelas.	Cerebro-Spinal Fever.	Whooping Cough.	Chicken Pox.	Puerperal Fever.
April	31	5	11	12	2
May	12	3	34	4	...
June	5	1	40	6	2
July	4	1	7	...	4
August	2	2	5	...	1
September	13	...	7	5	4
October	13	...	3	2	3
November	27	1	...	12	5
December	34	1	5	18	3
January	23	1	2	10	5
February	25	3	6	2	6
March	20	4	5	8	4
Total	208	23	125	77	39

TABLE NO. 2.
CASES AND DEATHS OF DIPHTHERIA BY WARDS.

WARDS.	April.		May.		June.		July.		August.		Sept.		Oct.		Nov.		Dec.		Jan.		Feb.		March.		1891 and 1892.		Population, Census 1890.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	3	1	1	1	1	2	1	1	9	1	11,293	
2	2	2	3	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	1	10,891	
3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	5	13,489	
4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	25	6	12,792	
5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	35	2	16,731	
6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26	5	18,366	
7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	35	12	18,366	
8	8	2	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26	10	20,501	
9	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	10	13,322	
10	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	67	20	20,701	
11	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	33	11	17,756	
12	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	41	9	18,367	
13	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	10	15,234	
14	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	11,837	
15	15	1	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	4	15,369	
16	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	7	11,913	
17	17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	6	13,804	
18	18	2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	52	21	15,201	
19	19	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	5	17,462	
20	20	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22	7	16,363	
21	21	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	4	14,783	
22	22	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	40	9	16,713	
23	23	27	12	9	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	4	15,872	
24	24	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	73	30	19,815	
25	25	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21	8	16,777	
26	26	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31	8	18,236	
27	27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	42	11	18,093	
28	28	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	39	9	22,198	
Total	70	23	50	22	24	11	43	14	40	13	78	15	96	34	81	23	101	27	77	21	43	11	51	16	754	131	451,770

TABLE NO. 3.

1891 AND 1892.	District South of Railroad Tracks.		District between Railroad and Wash Street.		District North of Wash Street.		District West of Grand Avenue.	
Months.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
April.....	41	18	11	1	11	4	7	4
May.....	19	8	11	6	10	4	10	4
June.....	11	5	1	1	8	4	4	1
July.....	15	6	5	2	18	6	5	1
August.....	26	6	3	3	9	4	2	1
September.....	35	7	4	2	36	5	3	1
October.....	39	10	9	1	40	19	6	4
November.....	30	7	12	4	32	12	7	1
December.....	39	9	10	2	36	10	16	6
January.....	22	9	5	1	34	9	16	3
February.....	14	2	13	3	7	4	9	2
March.....	32	9	4	4	9	1	6	3
Total.....	323	96	88	29	250	82	93	24

TABLE NO. 4.

TABLE SHOWING SANITARY CONDITION OF PREMISES WHERE DIPHTHERIA AND SCARLATINA EXISTED.

Months.	Sewer. Connected.		Defective Plumbing.	Defective Sewering.	Full Privies.	Filthy Yards.	Damp Cellars.	Tenement Houses.		Kind of Water Used.			Places where Well and Cisterns are within 25 feet of Privies.	Where Vaults, Yards and Water are used in common.	Total.
	Yes.	No.						Yes.	No.	City.	Well.	Cistern.			
April.....	96	15	22	5	16	2	2	26	85	104	8	16	9	26	432
May.....	86	14	25	7	19	5	2	32	68	87	5	16	5	32	403
June.....	57	9	5	4	13	9	5	27	39	57	6	14	6	27	278
July.....	58	7	5	4	10	5	2	24	41	49	13	19	9	24	270
August.....	75	7	8	4	12	4	2	35	47	71	11	16	8	35	335
September.....	106	10	14	6	13	9	4	48	68	100	18	32	16	48	492
October.....	120	20	17	3	29	9	5	43	97	113	18	40	24	45	581
November.....	115	18	16	2	17	13	7	45	88	113	20	41	20	45	560
December.....	153	22	15	6	21	9	5	49	126	147	17	37	17	49	673
January.....	112	10	9	5	18	4	1	35	87	100	17	39	22	35	494
February.....	98	13	10	11	18	12	1	33	78	96	8	23	11	33	450
March.....	69	19	10	3	8	6	4	25	63	76	14	20	11	25	353
Total.....	1145	164	156	60	194	87	40	422	887	1113	155	318	158	422	5321

TABLE SHOWING SANITARY CONDITION OF PREMISES WHERE TYPHOID FEVER EXISTED.

	Sewer. Connected		Defective Plumbing.	Full Privies.	Filthy Yards.	Damp Cellars.	Tenement Houses.		Kind of Water used.			Places where Well and Cis- tern are within 25 feet of Privies Where Vaults, Yards and Wa- ter are used in common.	Total.	
	Yes	No.					Yes	No.	City.	Well.	Cistern			
	251	28	30	33	15	7	83	196	242	23	55	51	83	1097

TABLE NO. 5.

CASES AND DEATHS FROM DIPHTHERIA FROM JANUARY 1, 1886, TO APRIL, 1892, SIX YEARS AND THREE MONTHS.

	Jan.		Feb.		March.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.		TOTAL.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
1886.	124	45	94	35	82	42	102	24	100	28	123	32	138	48	187	57	292	85	429	106	690	123	460	94	2,826	719
1887.	313	82	183	47	182	41	138	52	168	50	125	43	113	46	254	62	427	135	457	115	440	139	318	115	3,108	927
1888.	231	88	139	46	164	60	137	44	89	34	93	34	64	15	88	27	131	48	215	61	132	47	175	60	1,658	564
1889.	117	39	138	44	117	36	111	30	109	33	57	12	62	14	71	15	127	23	144	37	108	29	88	33	1,243	345
1890.	64	13	59	19	36	6	40	6	44	19	47	16	44	15	47	15	68	17	71	21	59	15	88	23	1,667	185
1891.	55	20	68	25	65	22	70	23	50	22	24	11	43	14	40	13	78	16	96	34	81	23	101	27	771	249
1892.	77	21	43	11	51	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	171	49
																								10,444	3,038	

TABLE NO. 5—Continued.

CASES AND DEATHS FROM DIPHTHERIA FOR THE PAST SIX YEARS AND THREE MONTHS.

	Cases.	Deaths.
District South of Railroad Tracks	4,938	1,352
" between Railroad Tracks and Wash Street	1,331	408
" North of Wash Street and East of Grand Avenue	3,051	928
" West of Grand Avenue	1,124	350
Total	10,444	3,038

TABLE NO. 6.

[illegible]

TABLE NO. 6 — *Continued.*

Wards.	Fiscal Year end- ing April 1, 1888.				Fiscal Year end- ing April 1, 1889.				Fiscal Year end- ing April 1, 1890.				Fiscal Year end- ing April 1, 1891.				Fiscal Year end- ing April 1, 1892.				Total by Wards.				Number of Slaughter Houses.	Population by Wards, Census 1890.
	Diph- theria.		Scar- latina.		Diph- theria.		Scar- latina.		Diph- theria.		Scar- latina.		Diph- theria.		Scar- latina.		Diph- theria.		Scar- latina.		Cases.	Deaths.				
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.						
6.....	161	47	30		58	24	28		33	9	92		33	15	43		35	12	39		320	107	232	7	6	18,366
12.....	68	20	29		42	13	11		48	17	55		37	12	55		18	10	41		213	72	191	1	...	15,234
16.....	101	44	25		30	16	6		37	8	70		37	10	50		17	6	30		206	74	181	4	11	11,913
18.....	168	50	28		50	17	45		35	11	52		24	10	46		52	21	30		320	100	201	10	35	15,201
24.....	102	34	33		53	14	13		38	14	108		19	4	96		21	2	64		253	68	314	1	10	16,777
Total.....	600	195	145		224	74	103		195	59	377		150	51	290		143	51	204		1312	430	1119	23	62	77,491
Total for fiscal year	2694	951	513		1496	489	516		1030	264	1882		696	214	1336		754	231	948							

TABLE NO. 6 — *Continued.*

Wards.	Fiscal Year end- ing April 1, 1888.				Fiscal Year end- ing April 1, 1889.				Fiscal Year end- ing April 1, 1890.				Fiscal Year end- ing April 1, 1891.				Fiscal Year end- ing April 1, 1892.				Total by Wards.				Number of Slaughter Houses.	Population by Wards. Census 1890.
	Diph- theria.		Scar- latina.		Diph- theria.		Scar- latina.		Diph- theria.		Scar- latina.		Diph- theria.		Scar- latina.		Diph- theria.		Scar- latina.		Cases.	Deaths.				
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.						
13.....	95	34	23		53	22	26		40	9	101		12	3	56		7	8	26		207	71	232	16	7	
26.....	99	33	19		76	33	16		39	11	63		23	10	41		42	11	36		279	98	175	99	21	
27.....	111	37	12		74	32	10		14	2	43		28	7	29		12	4	43		239	82	137	39	15	
28.....	93	40	20		75	23	19		92	23	82		36	10	87		39	9	101		235	105	309	10	56	
Total.....	398	144	74		278	110	71		185	45	289		99	30	213		100	27	206		1060	356	853	164	119	
Total for fiscal year.	2694	951	513		1496	489	516		1030	264	1882		696	214	1336		754	231	948							

TABLE NO. 7.

SHOWING STATISTICS RELATING TO TYPHOID FEVER IN ST. LOUIS DURING
PAST 26 YEARS.

YEARS.	Deaths.	Length Miles of Water Pipe in Service Each Year.	Length Miles of Sewer Pipe in Service Each Year.	Population.	Death to Each 10,000 Living.
1867	194	80.88	66.90	216,477	9.26
1868	294	84.78	85.30	250,000	11.76
1869	202	95.52	102.10	284,967	7.21
1870	269	100.62	111.13	312,963	8.67
1871	174	104.75	117.16		
1872	176	118.89	129.25		
1873	167	145.49	141.00		
1874	131	155.87	150.00		
1875	131	157.75	163.39	325,000	4.09
1876	103	177.88	172.00		
1877	130	179.00	177.53		
1878	74	181.78	179.27		
1879	112	191.48	188.26		
1880	139	199.60	196.35	350,518	3.96
1881	191	212.04	202.66		
1882	166	224.77	211.30		
1883	158	234.45	218.26		
1884	166	238.05	223.38		
1885	125	256.84	232.10	400,000	3.12
1886	124	278.93	247.10		
1887	116	294.73	262.78		
1888	133	314.39	270.68		
1889	140	336.09	298.42		
1890	137	353.60	311.09	451,770	3.03
1891	172	373.50	323.65		

TABLE NO. 8.
SHOWING NUMBER OF NUISANCES FOUND.

1801 and 1892.	Total.																		
	Full, Filthy and Defective Privies.	Filthy Yards.	Filthy Private Alleys.	Filthy Lots.	Filthy Stables.	Filthy Dairies.	Number Premises in City Limits Keeping Hogs.	Full and Filthy Piles and Boxes of Manure.	Filthy Slaughter Houses.	Filthy Cisterns.	Filthy Wells.	Damp and Filthy Cellars.	Ponds.	Broken and Defective Eaves-troughs and Down-spouts.	Defective Drains and Sewers.	Defective Plumbing.	Filthy Premises.	Number Bone-burning Establishments.	Rendering Establishments.
April.....	140	49	2	4	2	2	7	17	1	3	1	11	11	3	27	28	1	1	1
May.....	194	49	2	3	1	1	4	6	1	3	1	12	12	4	37	63	3	3	1
June.....	285	74	2	15	1	1	1	12	3	2	1	21	17	3	26	41	3	1	1
July.....	258	66	6	5	4	1	9	12	1	2	21	12	15	5	60	52	3	2	5
August.....	166	42	2	2	3	2	1	5	1	3	12	13	15	3	33	27	3	2	1
September.....	184	47	4	2	3	2	4	2	1	7	1	11	11	5	50	33	4	2	1
October.....	112	21	1	1	3	1	4	5	1	6	1	13	10	2	38	44	2	3	5
November.....	125	44	1	2	1	1	3	3	2	1	1	24	6	5	40	61	3	3	5
December.....	144	71	3	5	1	1	2	3	1	1	1	16	18	5	42	56	1	1	1
January.....	38	13	1	1	2	1	1	3	1	1	1	13	5	1	14	25	10	1	1
February.....	170	127	5	2	2	1	1	5	1	3	22	22	7	2	25	19	3	3	1
March.....	106	80	1	1	1	1	5	1	1	1	20	18	1	1	26	21	3	3	1
Total	1922	683	26	42	18	16	36	73	7	33	4	135	131	34	418	470	28	11	19

TABLE NO. 9.
MISCELLANEOUS MATTER.

1891 and 1892. MONTHS.	Cases brought before the Board of Health.	Police Court Cases.	Premises with Defective Plumbing for which Re-construction Orders were issued.	Premises for which Sewer Orders were issued.	Permits issued to clean Vaults.	Premises for which City Water was recommended.	Complaints received and investigated.	Number of Notices issued for full, filthy and defective Privies.	Number of Notices issued for other Nuisances.
April.....	73	1	21	33			160	177	153
May.....	55	2	22	2			198	239	200
June.....	69	2	25	78	162	2	360	346	227
July.....	126	7	30	65	170	24	202	288	261
August.....	88	24	17	6	127		201	195	135
September.....	88	10	13	9	92	5	193	211	181
October.....	109		29	13	26	2	159	123	89
November.....	46	4	32	28		4	145	142	157
December.....	119		33	36		7	154	169	197
January.....	67		16			1	95	45	62
February.....	19	10		16			117	190	229
March.....	84	14	13	5			110	128	161
Total.....	943	74	251	291	577	45	2094	2253	2052

TABLE NO. 10.

SHOWING NUMBER OF DAIRIES AND SLAUGHTER HOUSES BY WARDS.

Wards.	Dairies.	Cows.	Slughter Houses.	Wards.	Dairies.	Cows.	Slughter Houses.
1.....				15.....			
2.....				16.....	4	63	11
3.....				17.....			
4.....				18.....	10	141	35
5.....	3	58	7	19.....			
6.....	7	54	6	20.....	1	30	
7.....	24	404	15	21.....			
8.....				22.....	1	10	
9.....	20	386	29	23.....	26	710	9
10.....				24.....	1	4	10
11.....	93	2,380	15	25.....	11	302	8
12.....	1	3		26.....	99	3,244	21
13.....	16	80	7	27.....	39	1,055	15
14.....	2	7	3	28.....	10	168	56
Total.....				Total.....	368	9,099	247

TABLE NO. 11.

LOCATION OF NUISANCES ABATED ON PUBLIC PROPERTY AND COST OF SAME.

	Cost of labor.	Cost of pipe, etc.
Draining cellar and water closet, Arsenal Street Police Station, providing drainage for block bet. Minnesota and Compton avs. south of Arsenal st. completing work commenced last fiscal year.....	\$205 75	\$11 50
Draining pond on College av. north of Florissant av. Note. During the progress of this work some person at night during a storm opened the pipe, which became choked and necessitated the taking up and relaying a large amount of this pipe.	590 75	83 10
Draining pond on Kentucky and Boyle avs. north of Old Manchester rd. and relaying old pipe in alley.....	111 75	9 75

Draining pond on Palm and Bacon streets and also on Bacon st. and Sullivan av.....	256 30	49 20
Draining pond in alley north of Lincoln av. and west of Prairie av.....	81 00	6 00
Pipe laid in Sophie av. bet. Sacramento av. and Natural Bridge rd.....	125 00	40 00
Pipe laid on Page av. west to Walton av., thence along Walton av. to alley south of Easton av., thence along said alley eastwardly also on Newcomb place.....	534 00	102 00
Relaying pipe in alley bet. Garfield av. and Cote Brilliant av. east of Taylor av.....	26 50	.....
Relaying pipe on Sarpy av. west of Bartle av. and in alley west of Boyle av.....	142 50	.....
Draining pond in alley bet. Park av. and Eads av. east of California av.....	6 00	.....
Cleaning pipes on Hall st., Talcott and DeSoto avs.....	8 00	.....
Cleaning pipes on Vista and Tower Grove avs.....	10 00	.....
Providing for drainage along line of Walton av. bet. McPherson and Delmar av.....	512 75	137 58
Opening drain boxes on Kingshighway south of McPherson, Lindell avs. and Pine st.....	16 50	.....
Draining pond on Union, Cote Brilliant and Theodosia av..	323 00	56 70
Providing drainage for New Manchester rd. bet. Taylor av. and Martin av.....	890 00	175 00
Pipe opened and relaid bet. Dodier st., St. Louis av. west of Grand av.....	383 00	5 00
Pipe laid in alley bet. Easton av. and Cote Brilliant and Marcus avs. and Euclid av. to west alley and thence along said alley to Cote Brilliant av.....	1,033 50	70 00
Draining of cellar at Police Station on Deer st. and Easton av.....	65 00	8 00
Providing drainage for Richmond pl. and the low ground bet. Delmar av. and Bell av. east of Walton av.....	213 50	77 56
Pipe laid in Ridge av. bet. Union and Academy av.....	300 00	48 00
Opening sewer boxes south of Shenandoah st. and west of Jefferson av.....	15 50	.....
Draining pond on Hunt and Vista av.....	26 00	.....
Cleaning ditches and relaying pipe on Page av., Florissant av. and Natural Bridge rd.....	22 00	.....
Pipe laid in Mt. Vernon av. south of Swan av., thence eastwardly along Swan av., also in alley bet. Swan av. and Manchester rd.....	80 00	21 00
Pipe laid to carry drainage south side of Clayton rd. bet. Briggs and Boyle avs.....	110 00	16 00
Pond drained on Glasgow and Sullivan av.....	13 50	.....
Pipe laid to provide drainage for Newstead av. from Sacramento av. north to Margaretta av., thence along Margaretta av. to Finney av.....	278 00	231 00
Repairing pipe and filling up trenches on Marcus av. bet. North Market st. and St. Louis av.....	71 00	.....
Cleaning pipes and filling trenches on Richmond place, Newstead av. north of Clayton rd. and cleaning box in alley bet. Ohio and Texas north of Gravois av.....	23 00	.....
Draining pond in alley bet. De Soto av. and Linton st. north of Penrose st., filling trenches in alley bet. Cote Brilliant and Easton avs. west of Marcus av.....	46 25	.....
Pipe laid in north and south alley east of Euclid av. from the south side of Cote Brilliant av. to east and west alley north of Cote Brilliant av. and eastwardly a short distance on said alley.....	103 00	18 00
Pond drained on Iowa av. bet. Cherokee and Potomac sts. and in alley east of Nebraska bet. Osage and Keokuk sts.	25 00	.....
Pipe laid on Ridge av. bet. Kingshighway and Academy av.	313 25	54 00

Pipe laid and ditches cleaned on Walton av. between Westminster and Richmond place..	137 25	75 00
Opening pipe on Natural Bridge rd. Sophie av. sink hole on California av. south of Meramec st.....	80 00	10 00
Filling ditches on Marcus av.....	12 75	.....
Draining pond on Grand av. north of Penrose st.....	6 75	.....
Connecting pipes on Kingshighway and McPherson av. with private pipes going through subdivision north of Portland Place.....	150 00	55 00
Pipe laid on north side Page av. east of Marcus av. for 200 ft.....	58 00	9 00
Work done in endeavoring to open sink hole in east and west alley north of Pestalozzi st. bet. Compton av. and Virginia av.....	40 00	.....
Pipe laid on Wells av. bet. Kingshighway and Academy av.	175 25	60 00
Repairing pipe on Natural Bridge rd. and examining sewers on Adelaide and Withers av.....	25 50	.....
Total.....	\$7,646 80	\$1,428 39

TABLE SHOWING NUMBER OF FEET AND SIZE OF DRAIN PIPE LAID IN ABATING NUISANCES ON PUBLIC PROPERTY.

Connections and Curves.	6-in. 3,000 ft.	8-in., 5,000 ft.	9 in., 1,500 ft.	10-in., 2,200 ft.	12-in., 5,800 ft.	15-in., 900 ft.	18-in. 70 ft.
Total number feet sewer pipe laid.....							18,734

SUMMARY.

Amount expended in 11th Ward.....	\$410 75
“ “ 18th “	713 75
“ “ 25th “	6 00
“ “ 26th “	2,866 80
“ “ 27th “	1,592 00
“ “ 28th “	3,485 89
Miscellaneous expenses connected with all work.....	919 57
Total.....	\$9,994 76

TABLE NO. 12.

TABLE SHOWING THE EXPENSES OF THE SANITARY DIVISION OF THE HEALTH DEPARTMENT FOR THE FISCAL YEAR ENDING APRIL 1st, 1892.
ABATING NUISANCES ON PUBLIC PROPERTY.

Amount appropriated.....	\$10,000 00
Sewer pipe.....	\$1,427 15
Labor account.....	7,444 96
Lumber, nails, etc.....	123 77
Tools	66 03
Boarding and shoeing horses.....	484 50
Repairing harness and vehicles.....	148 35
Total expended.....	9,994 76
Unexpended balance.....	\$5 24

TABLE NO. 13.

SALARIES OF SANITARY OFFICERS AND FUMIGATORS.

Amount appropriated.....				\$11,230 00
	Sanitary Officers.	Fumigators.	Total.	
April.....	\$675 00	\$411 29	\$1,086 29	
May.....	675 00	297 58	972 58	
June.....	675 00	237 50	912 50	
July.....	745 16	164 52	909 68	
August.....	750 00	150 00	900 00	
September.....	747 50	150 00	897 50	
October.....	700 00	225 00	925 00	
November.....	697 50	225 00	922 50	
December.....	700 00	225 00	925 00	
January.....	700 00	225 00	925 00	
February.....	700 00	225 00	925 00	
March.....	700 00	225 00	925 00	
Total.....	\$8,465 16	\$2,760 89	\$11,226 05	
Total expended.....				11,226 05
Unexpended balance.....				\$3 95

FOR RENT OF OFFICES.

Amount appropriated.....	\$780 00
Amount expended.....	780 00

TABLE NO. 14.

PRINTING, STATIONERY, KEEPING HORSES, ETC.

Amount appropriated.....		\$3,000 00
For printing and stationery.....	\$408 77	
“ Office expenses.....	131 42	
“ Postal cards and stamps.....	250 50	
“ Car tickets.....	571 00	
“ Boarding horses.....	1,140 57	
“ Horseshoeing.....	120 75	
“ Repairing harness and vehicles.....	324 28	
Total expended.....		2,946 99
Unexpended balance.....		\$53 01

FOR DISINFECTANTS.

Amount appropriated.....			\$1,750 00
For Tin plates.....	56	grs.	\$356 00
“ Sulphuric acid.....	3,676	lbs.	61 95
“ Alcohol.....	164½	gal.	388 45
“ Sulphur.....	16,608	lbs.	482 77
“ Chloride Lime.....	3,030	“	190 08
“ Copperas.....	15,803	“	139 14
“ Carbolic acid.....	130	gal.	56 75
“ Card board, tripods, etc.....			61 65
Total expended.....			1,736 79
Unexpended balance.....			\$13 21

TABLE NO. 15.

AMOUNT AND COST OF DISINFECTANTS USED FOR AND OUT OF TYPHUS FUND.

For Sulphuric acid.....	963	lbs.	\$14 66
" Alcohol.....	30	gal.	72 00
" Sulphur.....	4,500	lbs.	123 75
" Chloride lime.....	250	"	15 00
" Copperas.....	13,986	"	111 88
" Carbolic acid.....	65	gal.	27 10
" Tin plates.....	6	grs.	36 00
" Card board, tripods, etc.....			25 60
Total.....			\$425 99

ANNUAL REPORT
OF THE
CLERK OF THE HEALTH COMMISSIONER
AND
BOARD OF HEALTH.

For the Fiscal Year 1891-92.

OFFICE OF THE BOARD OF HEALTH, }
St. Louis, April 1st, 1892. }

Dr. Wm. N. Brennan, Health Commissioner:

SIR—I have the honor to herewith present for your consideration, the annual report of the vital statistics of the City of St. Louis for the calendar year of 1891 and fiscal year of 1891-92.

During the calendar year 1891, 9,530 deaths occurred in the City—an increase of 1,121 over the previous year; this increase is due partly to the “La Grippe” which was so prevalent during the latter months of the year—and partly to the natural increase in the population. There were 1,709 deaths from zymotic diseases; 1,629 from constitutional diseases; 4,522 from local diseases; 1,153 from developmental diseases and 517 deaths from violence.

There were 3,493 deaths under five years and 2,290 under one year—an increase of 90 over the previous year.

There were 999 deaths recorded among the negroes, giving a percentage to the total number of deaths of 12.00. The percentage in 1890 was 11.92; in 1889 was 12.26; in 1888, 11.2 and in 1887, 8.92.

During the year 11,609 births recorded, 45 more than previous year.

This gives a birth rate of 25.28 to every 1,000 inhabitants, at an estimated population of 460,000; 828 still births were recorded—124 more than last year. As I stated in my report of last year the birth rate is unquestionably higher than the figures given;—physicians are derelict in their duty of reporting births. Twenty cases of small pox occurred in the City and were removed to Quarantine and Small Pox Hospital.

Vaccination has been thorough—all the public schools were visited two or three times, as well as the parochial schools. During the year, 24,720 points of vaccine virus were dispensed by the Department; 14,754 points were used by the Physicians of the Department in the public, private and parochial schools; the balance was distributed to the Physicians and Midwives throughout the City. The virus has been entirely satisfactory.

The Department is indebted to the U. S. Signal Service of this City, for the monthly Meteorological observations published with the monthly mortality statements.

In conclusion, I desire to express my thanks for the courtesies you have extended to me.

Respectfully,

SEWARD A. FINNEY, M. D.,

Clerk Health Commissioner,

and Board of Health.

TABLES ACCOMPANYING REPORT.

TAI

The annual dea

CA

Total Deaths fr
Total Zymotic J
Total Constitut
Total Local Dis
Total Developm
Deaths by Viole
Unknown.. . . .

Small-Pox
Measles.
Scarlatina. . . .
Diphtheria. . . .
Croup.
Whooping Cou
Typhoid Fever
Typhus Fever.
Cerebro-Spinal
Remittent, Int
gestive and S
Puerperal Fev

Diarrhoeal Dise

Erysipelas. . . .
Pyæmia and Se
Syphilis.
Rheumatism a
Alcoholism. . . .
Other Zymotic

Cancer and Ma
Phthisis and T
Marasmus — T
Hydrocephalu
Other Constit

Bronchitis. . . .
Pneumonia. . . .
Other Disease
Diseases of th
Meningitis an
Convulsions a
La Grippe. . . .
Apoplexy. . . .
Other Disease
Cirrhosis of
Enteritis, Gas
tritis.

Bright's Dise
Other Diseas
Diseases Ger
Diseases of t
Diseases of t
Other Local

Cyanosis. . . .
Inanition
Premature I
Puerperal I
Fever.
Senility.
Other Devel

Surgical Op
Deaths by S
Deaths by H
Deaths by A
Execution I
Unknown.. . .

The annual death rate per 1,000 during the year, estimated population being 460,000, was 20.71. During the year there were 9,530 deaths, 1,121 more than the previous year.

* Three deaths from Heat Stroke.

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DEATHS FROM ZYMOTIC DISEASES.—Deaths from Small-Pox,* Measles, Scarletina, Diphtheria, Croup, Whooping Cough, Typhoid Fever, Malarial Fevers, Puerperal Fever, Diarrhoeal Diseases, and other Zymotic Diseases.															TOTAL DEATHS FROM ALL CAUSES.		TOTAL NUMBER OF DEATHS IN DIFFERENT INSTITUTIONS FOR THE YEAR ENDING DECEMBER 31, 1891.		TOTAL IN INSTITUTIONS.	COMPARATIVE MORTALITY, YEAR 1891, And Deaths from the Seven Principal Zymotic Diseases.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
WARDS.	Small-Pox.*	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Typhoid Fever.	Malarial Fevers.	Puerperal Fever.	Diarrhoeal Diseases Under Five Years.	Diarrhoeal Diseases Other Ages.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.	TOTAL DEATHS FROM ALL CAUSES.	City Dispensary	St. Vincent's	Christian Home & Inf't Asy.	Episcopal Orphan Home.		Biddle Infant and Lying-in Hospital.	St. Mary's Asylum.	Colored Orphan Asylum	Pius Hospital.	German Cath. Orphan Asy.	Alexian Brothers' Hospital	U. S. Marine Hospital.	Memorial Home	Ev. Lutheran Hospital.	Home of the Friendless.	Work House.	Home of Aged and Infirm Israelites.	Academy of Sacred Heart.	White Cross Home	St. Joseph's Convent	Visitation Convent	Protestant Hospital.	St. Luke's Hospital	St. John's Hospital.	Loretta Convent	Home Little Sisters of the Poor	Children's Hospital.	House of Good Shepherd.	Beaumont Hospital.	St. Joseph's Orphan Asylum	St. Philomena's Convent.	St. Mary's Infirmary	Poly-Clinic Hospital.	Martha Parson Hospital.	Ursuline Convent.	City Hospital.	Baptist Orphans' Home	Carmelite Convent.	St. L. Mullanphy Hospital.	Good Samaritan Hospital.	Mo. Pac. R'y Hospital.	Protestant Orphan Asylum	O'Fallon Park Sanitarium.	Poor House.	Insane Asylum.	Female Hospital.	Baptist Sanitarium.	Masonic Home.	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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* During the year 1891 twenty-two cases of Small-Pox occurred in the city, and were removed to the Small-Pox Hospital, six miles outside of the city limits.

During the year ending December 31, 1891, two hundred and seventy burial certificates were issued for deaths occurring outside of the city limits, but are not included in the monthly mortality

* The returns of births are incomplete.
* Still-births are not included in the mortality.

The annu

Total Death
Total Zymotic
Total Contagious
Total Local
Total Deventive
Deaths by
Unknown.

Small-pox
Measles...
Scarlatina
Diphtheria
Croup.....
Whooping
Typhoid Fever
Typhus Fever
Cerebro-Spinal
Remittent,
 gestive and
Puerperal
Diarrhoeal

Erysipelas.
Pyæmia and
Syphilis ..
Rheumatism
Alcoholism
Other Zymotic

Cancer and
Phthisis and
Marasmus
Hydrocephalus
Other Contagious

Bronchitis.
Pneumonia
Other Diseases
Diseases of
Meningitis
Convulsion
Heat Stroke
Apoplexy.
Other Diseases
Cirrhosis of
Enteritis, G
 tritis
Bright's Disease
Other Diseases
Diseases of
Diseases of
Diseases of
Other Local

Cyanosis...
Inanition
Premature
Puerperal
 Fever)....
Senility....
Other Deventive

Surgical Operations
Deaths by
Deaths by
Deaths by
Execution
Unknown..

The annual death rate per 1,000 during the month, estimated population being 460,357, was 18.91. During the month there were 725 deaths, 46 more than the previous month.

CAUSES OF DEATH.	Total deaths reported during the month ending Jan. 31, 1891.		Total deaths reported during the month ending Jan. 31, 1890.		AGES										BY YEARS.										SEX.	Social Relations.				COLOR.	
	Under 1 year.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	White.	Colored.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 and over.	Male.	Female.	Married.		Single.	White.	Colored.	TOTAL.		
Total Deaths from all Causes.....	725	734	143	37	22	22	15	212	27	27	9	29	38	42	26	31	44	37	45	33	31	29	67	384	341	326	399	663	72	725	
Total Zymotic Diseases.....	101	107	13	6	10	16	6	48	3	8	3	6	5	4	2	4	3	2	6	1	1	1	5	45	56	25	76	92	9	101	
Total Constitutional Diseases.....	121	135	16	3	1	6	8	106	18	15	3	10	12	16	11	6	14	14	11	2	2	2	3	62	59	55	66	108	13	121	
Total Local Diseases.....	375	381	74	25	11	6	8	106	18	15	3	10	12	18	7	18	24	17	24	24	27	20	34	212	163	182	193	332	43	375	
Total Developmental Diseases.....	91	77	38	3			1	37	4	1	3	1	3	3	3	1	3	3	3	3	2	4	25	37	54	46	45	86	5	91	
Deaths by Violence.....	37	34	2					2	1	2	3	2	6	4	3	2	6	1	1	3	1			28	9	18	19	35	2	37	
Unknown.....																															
Small-pox.....																															
Measles.....																															
Scarlatina.....	16	10	2	3	2	4	2	13	1	6		2											9	7		16	15	1	16		
Diphtheria.....	20	13		2	4	3	3	13															9	11		20	18	2	20		
Croup.....	10	9	3		2	3	1	9		1													6	4		10	10		10		
Whooping Cough.....	4	2	2		1	1		4																							
Typhoid Fever.....	5	11										2	2									1	3	2	1	4	5		4		
Typhus Fever.....																															
Cerebro-Spinal Fever.....		2																													
Remittent, Intermittent, Typho-Malarial, Con- gestive and Simple Continued Fevers.....	15	15	1		1	2		4		1	1	1	1		1	2	1					3	6	9	7	8	14	1	15		
Puerperal Fever.....	2	6											1											2	2		2		2		
Diarrhoeal Diseases { Under 5 years.....	1	8	1					1																							
{ Other ages.....	3	2																													
Erysipelas.....	7	1	2					2						1		1						1	1	2	5	5	2	7			
Pyæmia and Septicæmia.....	6	4	1					1				1	1		2		1						1	5	3	3	6		6		
Syphilis.....	6	5	1	1		1		1	2					2	1								6	2	4	3	3		6		
Rheumatism and Gout.....	2	5								1													1	1	1	1	1	1	2		
Alcoholism.....	4	1											2									3	1	1	1	3	4		4		
Other Zymotic Diseases.....		13										1																			
Cancer and Malignant Tumor.....	24	20						2	1			7	12	15	8	5	7	7	5	2		1	2	10	14	19	5	22	2	24	
Phthisis and Tuberculosis Pulmonalis.....	73	99	1	2																			38	35	33	40	64	9	73		
Marasmus — Tabes Mesenterica and Scrofula.....	12	12	11	1				12																6			12	12		12	
Hydrocephalus, Tubercular Meningitis, etc.....	5	3	4					4		1													3	2		5	5		5		
Other Constitutional Diseases.....	7	10			1							3						1	1				5	2	3	4	5	2			
Bronchitis.....	37	40	11	4	2		2	16	3	1		2	2	3	1	4	7	6	4	3	2	2	3	24	13	15	22	31	6	37	
Pneumonia.....	86	94	12	9	3	2	4	26	4	4	1		7	3	1	4	7		4	3	5	2	7	43	43	32	54	77	9	86	
Other Diseases Respiratory Organs.....	28	31	5	2	1	2		8	2	1			1	1	1	1	1		1	3	3	4	17	11	15	13	24	4	28		
Diseases of the Circulatory System.....	46	47			1			1			1	1	2	3	3	3	4	8	6	9	1	4	20	26	40	6	41	5	46		
Meningitis and Encephalitis.....	10	17	5	2	1			6	2	1													3	7	1	9	7	3	10		
Convulsions and Trismus.....	38	39	31	2	1		1	29	6	2				1									24	14		38	32	6	38		
Heat Stroke.....																															
Apoplexy.....	10	9													2		2		3	2	1	2	5	5	9	1	8	2	10		
Other Diseases of the Brain and Nervous System.....	33	36	2	2		2		6		1			3		3	1	2	3	2	3	2	3	7	18	15	22	11	31	2	33	
Cirrhosis of Liver and Hepatitis.....	19	20		1	1			2		1		1			3		4			1	2	2	3	14	5	14	5	18	1	19	
Enteritis, Gastro-Enteritis, Peritonitis and Gas- tritis.....	23	12	6	3	1			9	1	2		3	1	1		2	1				1	2	14	9	6	17	22	1	23		
Bright's Disease and Nephritis.....	23	17								2	1	1		3	2	2			5	3	2	2	15	8	14	9	20	3	23		
Other Diseases Urinary Organs.....		2										1	1											2	1	1	1	1	2		
Diseases Generative Organs.....																															
Diseases of the Locomotory Organs.....		2																													
Diseases of the Integument.....																															
Other Local Diseases.....	20	15	2				1	3				1		2		1	4	1	2	1		3	2	15	5	13	7	20		20	
Cyanosis.....	2		2					2															2				2	2		2	
Inanition.....	30	24	27	2				25	4	1													17	13		30	26	4	30		
Premature Births.....	7	12	7					7															3	4		7			7		
Puerperal Diseases (not including Puerperal Fever).....	10	1										1	3		3	1	1	1							10	9	1	10		10	
Senility.....	39	35																2	3	3	2	4	25	13	26	37	2	38	1	39	
Other Developmental Diseases.....	3	5	2	1				3															2	1		3	3		3		
Surgical Operations.....	1																														
Deaths by Suicide.....	7	6																					5	2	4	3	7		1		
Deaths by Homicide*.....	3	3																					2	1	1	2	2	1	3		
Deaths by Accident.....	26	25	2				1	2	1	2	3	2	1	3	2	1	5	1								12	14	25	1	26	
Execution by Warrant of Law.....																															
Unknown.....																															

WARDS.

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TABLE NO. 4 - 1891.

DEATHS FROM ZYMOTIC DISEASES.—Deaths from Small-Pox, Measles, Scarlatina, Diphtheria, Croup, Whooping Cough, Typhoid Fever, Malarial Fevers, Puerperal Fever, Diarrhoeal Diseases, and other Zymotic Diseases.																			COMPARATIVE MORTALITY, FOURTH QUARTER, 1890, And deaths from the 7 principal Zymotic Diseases.										
For the month ending January 31, 1891.															TOTAL NUMBER OF DEATHS IN DIFFERENT INSTITUTIONS FOR THE MONTH ENDING JANUARY 31, 1891.		TOTAL IN INSTITUTIONS.												
WARDS.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Typhoid Fever.	Malarial Fevers.	Puerperal Fever.	Diarrhoeal Diseases Under Five Years.	Diarrhoeal Diseases Other Ages.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.	TOTAL DEATHS FROM ALL CAUSES.					Estimated Population.	Total Deaths.	Annual rate per 1,000.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid Fever.	Diarrhoeal Diseases.	
1st,												1	1	12	City Dispensary				455,427	2,044	18.16			11	104	20	69	32	
2d,														18				418,477	2,327	21.15			9	69	1	58	5		
3d,														18				853,945	4,494	21.14			14	105	191	62	87	10	
4th,				1										13				1,100,000	4,633	16.84			38	47	228	44	186	75	
5th,				1										17				325,000	1,411	17.63				4	143		58	20	
6th,			1											24				254,000	2,051	32.81				1	27	10	8	112	
7th,			1		1			3		1				29				1,654,648	8,447	20.48		157		87	314	92	113	49	
8th,			2	1	1									35				1,064,277	4,617	17.42		1		82	192	33	120	40	
9th,				1	1							1	1	31				300,000	1,665	22.20				2	90	2	45	40	
10th,			1	1	1			1	1					37				460,357	1,902	16.55				18	59	6	41	31	
11th,					1			1	1					29															
12th,			1	1								2	4	20															
13th,								1						10															
14th,			1											19															
15th,				3								3	3	21															
16th,			1	1								1	1	9															
17th,			1	1				1	1					27															
18th,			1	1	1			1	1					23															
19th,			2	1								1	4	20															
20th,					1			1	1			2	5	18															
21st,			1	2	1	2		1				1	8	30															
22d,								1				2	3	25															
23d,			1	1	1	1						1	3	8															
24th,														31															
25th,			1	3				1					5	29															
26th,				2	1								3	25															
27th,								1					5	7															
28th,			1					3				1	5	37															
Totals..	16	20	10	4	4	5	15	2	1	3	25	101	725		TOTAL		118												

*BIRTHS REPORTED DURING THE MONTH ENDING JANUARY 31, 1891.

	Color.	Sex.	NATIVITY OF PARENTS.						Name of Child.							
			Foreign, Father only.		Foreign, Mother only.		Not Stated.									
	White.	Colored.	Male.	Female.	Not Stated.	Foreign.	Native.	Foreign, Father only.	Foreign, Mother only.	Nativity of Father Stated Only.	Nativity of Mother Stated Only.					
1,081	1,026	55	572	509	311	432	197	84	3	11	5	7	31	958	123

*Still-births reported during the month ending January 31, 1891....57.

NATIVITY OF DECEASED.

St. Louis.....	285
Missouri.....	26
Other parts of the United States.....	15
Canada.....	2
England.....	14
Scotland.....	8
Wales.....	
Ireland.....	54
Germany.....	135
France.....	1
Switzerland.....	3
Austrian Empire.....	2
Sweden and Norway.....	2
Russia.....	2
Netherlands.....	
Denmark.....	
Italy.....	1
Other Foreign Countries.....	5
Unknown.....	30
Total.....	725

*The returns of births are incomplete.

*Still-births are not included in the mortality.

During the month ending January 31, 1891, seventeen burial certificates were issued for deaths occurring outside of the city limits, but are not included in the monthly mortality.

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Total Deat
Total Zyme
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Total Deve
Deaths by
Unknown..

Small-Pox
Measles...
Scarlatina
Diphtheria
Croup.....
Whooping
Typhoid Fe
Typhus Fe
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Remittent,
gestive a
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Erysipelas
Pyæmia an
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Cancer and
Phthisis an
Marasmus
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Bronchitis,
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Apoplexy.
Other Dise
Cirrhosis o
Enteritis, C
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Bright's D
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Cyanosis..
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Fever)...
Senility...
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Surgical O
Deaths by
Deaths by
Deaths by
Execution
Unknown.

MORTALITY FOR THE MONTH ENDING JANUARY 31, 1891 — 725.

TABLE SHOWING THE REPORTED MORTALITY FOR THE MONTH ENDING FEBRUARY 28, 1891.

The annual death rate per 1,000 during the month, estimated population being 460,000, was 17.73. During the month there were 680 deaths, 70 more than the previous month.

CAUSES OF DEATH.	Total deaths reported during the month ending Feb. 28, 1891.		Total deaths reported during the month ending Feb. 28, 1890.		AGE.										BY YEARS.										SEX.		Social Relations.		COLOR.		TOTAL.
	Under 1 year.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	White.	Colored.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 and over.	Male.	Female.	Married.	Single.	White.	Colored.				
																												Total under 5 years.			
Total Deaths from all Causes	630	610	122	35	23	21	11	185	27	21	4	30	46	45	35	31	27	42	44	37	41	21	45	373	307	324	356	611	69	680	
Total Zymotic Diseases	87	66	14	10	7	12	5	44	4	9	2	5	5	7	1	1	4	5	5	7	3	1	48	39	18	69	78	9	87		
Total Constitutional Diseases	115	123	10	4	2	3	17	2	1	1	6	13	13	10	8	9	12	8	2	7	17	4	59	56	61	54	101	14	115		
Total Local Diseases	363	330	61	21	13	6	5	91	15	8	2	5	14	18	16	18	15	25	30	31	24	13	35	203	160	199	164	328	35	363	
Total Developmental Diseases	75	68	36	1	1	1	31	5	3	4	5	3	2	1	1	1	2	2	10	1	14	35	40	33	42	68	7	75			
Deaths by Violence	40	23	1	1	1	1	2	1	3	4	9	4	6	4	2	1	1	1	2	2	1	28	12	13	27	36	4	40			
Unknown																															
Small-Pox	3	1	1			2		1														3		3		3		3			
Measles	4	3	1			2		2														1	3		4		4				
Scarlatina	25	19	2	4	7	23		1				1										13	12	1	24	25	25				
Diphtheria	5	2	1			5																1	4		5		5				
Croup	13	7	3			8		3														10	3		13		13				
Whooping Cough	9	4								1	3	3	1					1				5	4	2	7		9				
Typhoid Fever	1	1				1																1			1		1				
Cerebro-Spinal Fever	7	5								1	1			1		2						4	3	4	3	7	7				
Remittent, Intermittent, Typho-Malarial, Con-	2	5										1	1										2	2		2	2				
gestive and Simple Continued Fevers	1	7	1			1																3	1		1		1				
Puerperal Fever	3	2											2					1					2	2		2	1				
Diarrhoeal Diseases { Under 5 years.	1	7				1																3			2		1				
Others ages.	3	2											2					1					2	1		1	3				
Erysipelas	7	1	1			1				1							1					5	2	5	2	7	7				
Pyæmia and Septicæmia	1											1		2			2	1					1			1	1				
Syphilis	3	1	1			1		1	1													2	1		3	2	1				
Rheumatism and Gout	3																										3				
Alcoholism	3																										2				
Other Zymotic Diseases	12																														
Cancer and Malignant Tumor	28	13				1		1				6	12	11	10	5	6	6	3	2	2	2	3	16	12	22	6	26	2	28	
Phthisis and Tuberculosis Pulmonalis	65	80																					35	30	37	28	56	9	65		
Marasmus — Tabes Mesenterica and Scrofula	14	18	8	2	2	1		11	2								1						5	9	1	13	12	2	14		
Hydrocephalus, Tubercular Meningitis, etc.	5	7	2	1	1	4			1														2	3		5	5		5		
Other Constitutional Diseases	3	5				1		1				1										1	1	2	1	2	2	1	3		
Bronchitis	42	31	15	1	3	1	1	15	6	1		1	1	2		3	3	6	1			4	19	23	19	23	36	6	42		
Pneumonia	86	90	6	10	6	1		20	3	3	2	1	4	4	4	5	7	6	7	4	3	6	45	41	44	42	77	9	86		
Other Diseases Respiratory Organs	31	24	3	1		1		5				2	1	1	2		3	6	2	4	1	4	21	10	21	10	30	1	31		
Diseases of the Circulatory System	39	46	2			1		1	1	1		1	3	3	1		5	3		8	5	7	25	14	28	11	35	4	39		
Meningitis and Encephalitis	17	19	5	3		3	1	11	1	1			1	1	1							1	9	8	3	14	16	1	17		
Convulsions and Trismus	27	27	23	2		1	24	2														1	11	16	1	26	24	3	27		
Heat Stroke	14	10																													
Apoplexy	34	26	3	3		2	6	2	1			1	2	3	1	1	1	2	4	2	2	4	8	6	13	1	13	1	14		
Other Diseases of the Brain and Nervous System	10	13												1	1		3		5		4	5	19	15	23	11	31	3	34		
Cirrhosis of Liver and Hepatitis	13	11	3	1	2		6					1			2	2	1				1	8	5	5	8	11	2	13			
Enteritis, Gastro-Enteritis, Peritonitis and Gas-	25	18			1		1		1			1		4	3	5		5	1	3		1	17	8	14	11	22	3	25		
tritis.	2	1										1		1								1	1	1	1	2		2			
Bright's Disease and Nephritis	2													1	1								2	2		1	1	2			
Other Diseases Urinary Organs	2													1	1																
Diseases Generative Organs																															
Diseases of the Locomotory Organs																															
Diseases of the Integument																															
Other Local Diseases	21	14	1		1		2					1	1	2	3	2		3		4	1	1	1	11	10	16	5	21		21	
Cyanosis	3	1	3					3														2	4		3	3		3	4		
Inanition	24	24	24				21	3														16	8		24	21	3	24			
Premature Births	7	6	7				6	1														5	2		7	6	1	7			
Puerperal Diseases (not including Puerperal	8	4											5	2		1							8	6	2	8		8			
Fever).	27	28																													
Senility	6	5	2				1	1					1	2		1						2	4	1	5	4	2	6			
Other Developmental Diseases																															
Surgical Operations	4	2											2	1	1		1		1			2	2	1	3	4		4			
Deaths by Suicide	7	4											1	1	2	1	1					2	5	3	4	6	1	7			
Deaths by Homicide*	3	3													2	1						2	1	2	1	2	1	3			
Deaths by Accident†	26	14	1		1		2	1	3			4	6	3	3	1					2		1	22	4	7	19	24	2	26	
Execution by Warrant of Law																															
Unknown																															

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TABLE No. 6 - 1891.

[illegible]

During the month ending February 28, 1891, forty-two burial certificates were issued for deaths occurring outside of the city limits, but are not included in the monthly mortality.

T

The annual

Total Deaths 1
Total Zymotic
Total Constit
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Total Develop
Deaths by Vio
Unknown....
Small-pox....
Measles.....
Scarlatina...
Diphtheria...
Croup.....
Whooping Co
Typhoid Feve
Typhus Fever
Cerebro-Spin
Remittent, In
 gestive and
Puerperal Fe
Diarrhœal Dis
Erysipelas...
Pyæmia and S
Syphilis.....
Rheumatism
Alcoholism..
Other Zymoti
Cancer and M
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Marasmus —
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Bronchitis. .
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Meningitis an
Convulsions
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Apoplexy....
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 tritis.....
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Deaths by St
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Execution by
Unknown....

MORTALITY FOR THE MONTH ENDING MARCH 31, 1890—675.

MORTALITY FOR THE MONTH ENDING FEBRUARY 28, 1891 — 680.

TABLE SHOWING THE REPORTED MORTALITY FOR THE MONTH ENDING MARCH 31, 1891.

The annual death rate per 1,000 during the month, estimated population being 460,000, was 22.33. During the month there were 856 deaths, 176 more than the previous month.

CAUSES OF DEATH.	Total deaths reported during the month ending Mar. 31, 1891.		Total deaths reported during the month ending Mar. 31, 1890.		AGES BY YEARS.															SEX.		Social Relations.		COLOR.		TOTAL.					
	Under 1 year.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	White.	Colored.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 and over.	Male.	Female.	Married.	Single.		White.	Colored.			
																													Total under 5 years.		
Total Deaths from all Causes	856	675	173	62	48	17	17	288	29	31	15	20	42	47	39	31	39	48	42	45	44	21	75	478	378	361	495	770	86	856	
Total Zymotic Diseases	91	87	10	12	11	9	8	49	1	13	4	1	6	3	...	4	4	1	...	1	3	1	...	50	41	13	78	87	4	91	
Total Constitutional Diseases	134	125	22	6	1	...	25	21	1	1	3	7	11	16	13	6	11	9	...	1	4	2	...	78	56	59	75	124	10	134	
Total Local Diseases	500	356	94	44	34	8	8	167	21	15	7	11	16	22	22	18	22	34	30	29	33	17	36	287	213	227	273	441	59	500	
Total Developmental Diseases	99	69	43	...	...	...	...	38	5	...	...	...	3	3	2	2	...	...	6	...	3	1	...	40	59	46	53	89	10	99
Deaths by Violence	32	38	4	...	2	...	1	6	1	...	1	1	6	3	...	1	...	...	...	...	...	...	23	9	...	16	...	...	...	...
Unknown	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	15	...	2	4	2	2	1	11	...	3	1	...	...	...	...	...	...	...	...	...	...	...	9	6	...	15	15	...	15	...
Measles	8	...	1	2	1	...	2	6	...	2	...	...	...	...	...	...	...	...	...	...	...	...	3	5	...	8	8	...	8	...
Scarlatina	22	7	1	1	5	5	1	14	...	7	1	...	...	...	...	...	...	...	...	...	...	...	9	13	...	22	22	...	22	...
Diphtheria	7	5	...	3	2	1	...	6	...	1	...	...	...	...	...	...	...	...	...	...	...	...	4	3	...	7	7	...	7	...
Croup	3	3	1	1	1	...	3	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	3	3	...	3	...
Whooping Cough	3	3	...	...	...	...	1	3	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	1	...	2	3	...	3	...
Typhoid Fever	3	...	...	...	...	...	1	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhus Fever	1	4	1	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	1	...
Cerebro-Spinal Fever	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Remittent, Intermittent, Typho-Malarial, Con-	3	16	...	1	...	...	1	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	2	1	1	2	2	1	3	...
gestive and Simple Continued Fevers	2	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	2	2	2	...	2	...
Puerperal Fever	3	5	2	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	2	3	3	...	3	...
Diarrhoeal Diseases	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	3	3	1	4	...	4	...
Under 5 years.	3	5	2	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	2	3	3	...	3	...
Other ages.	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Erysipelas	2	4	1	...	...	...	2	...	...	...	...	...	2	...	...	1	...	...	...	...	...	...	2	...	...	1	1	...	2	...
Pyæmia and Septicæmia	5	4	1	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	3	1	4	5	...	5	...
Syphilis	3	3	1	...	...	...	...	1	...	...	...	...	1	...	...	1	...	...	...	...	...	...	1	2	...	3	1	2	3	...
Rheumatism and Gout	4	2	...	...	...	...	...	...	...	1	...	...	1	...	...	1	...	...	...	...	...	...	1	3	2	2	3	1	4	...
Alcoholism	6	2	...	...	...	...	...	...	...	...	...	...	2	...	...	3	1	...	...	...	...	...	6	...	2	4	6	...	6	...
Other Zymotic Diseases	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cancer and Malignant Tumor	28	21	...	...	...	...	...	...	1	1	1	1	...	1	3	1	4	3	4	4	1	2	2	14	14	20	8	26	2	28
Phthisis and Tuberculosis Pulmonalis	71	75	...	1	...	...	...	...	1	1	1	6	11	15	10	4	6	4	5	4	2	...	2	41	30	34	37	64	7	71
Marasmus — Tabes Mesenterica and Scrofula	18	19	18	...	...	...	...	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	8	...	18	18	...	18	...
Hydrocephalus, Tubercular Meningitis, etc.	11	6	4	5	1	...	...	10	...	...	1	...	...	...	...	...	...	...	...	...	...	...	8	3	...	11	11	...	11	...
Other Constitutional Diseases	6	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	1	5	1	5	1	6	...
Bronchitis	67	52	14	14	11	2	3	36	5	1	1	4	6	6	8	6	7	10	7	5	9	1	4	87	58	54	91	128	27	145	
Pneumonia	145	70	26	17	12	3	3	52	9	10	1	2	2	1	4	2	5	1	7	4	4	5	34	27	36	25	57	4	61	...	
Other Diseases Respiratory Organs	61	30	10	2	3	...	...	15	...	1	2	...	1	1	2	1	4	4	6	6	3	3	7	22	21	33	10	28	5	43
Diseases of the Circulatory System	43	36	2	1	1	...	...	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...	19	5	1	23	20	4	24	...
Meningitis and Encephalitis	24	21	8	5	4	1	2	16	4	...	...	...	...	3	1	...	...	...	...	...	...	...	14	17	...	31	29	2	31	...
Convulsions and Trismus	31	43	28	1	2	...	...	29	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Heat Stroke	14	17	...	...	...	...	...	...	...	...	...	...	1	1	...	3	2	...	...	3	1	...	...	...	...	...	...	...	...	...
Apoplexy	37	29	1	2	...	1	...	4	...	1	1	3	2	2	...	4	4	2	3	4	4	...	3	19	18	18	19	33	4	37	
Other Diseases of the Brain and Nervous System	14	4	...	...	...	...	...	...	...	...	...	...	1	3	1	1	...	2	2	1	1	1	12	2	10	4	13	1	14	...
Cirrhosis of Liver and Hepatitis	37	29	1	2	...	1	...	4	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteritis, Gastro Enteritis, Peritonitis and Gas-	22	13	5	2	1	...	...	9	1	1	1	1	1	1	...	1	2	1	1	1	1	1	8	14	10	12	20	2	22	...
tritis	20	21	2	1	1	1	1	1	...	4	2	...	4	2	3	13	7	17	3	19	1	20	...
Bright's Disease and Nephritis	1	6	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases Urinary Organs	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases Generative Organs	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases of the Locomotory Organs	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases of the Integument	20	11	...	1	1	2	1	3	4	1	...	1	2	...	1	1	2	2	11	9	13	7	18	2	20	...
Other Local Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cyanosis	34	15	34	...	...	...	...	29	5	...	...	...	...	...	...	...	...	...	...	...	...	...	21	13	...	34	29	5	34	...
Inanition	5	7	5	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	4	...	5	5	...	5	...
Premature Births	7	1	...	...	...	...	...	...	...	...	...	...	2	2	1	1	...	1	...	...	...	...	...	7	...	7	7	...	7	...
Puerperal Diseases (not including Puerperal	41	35	...	...	...	...	...	...	...	...	...	...	1	1	1	1	...	...	4	3	1	33	14	27	40	1	37	4	41	...
Fever)	12	4	4	...	...	...	...	4	...	...	...	...	1	1	1	1	1	...	2	...	...	4	8	6	6	11	1	12	...	
Senility	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Developmental Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Surgical Operations	3	3	...	...	...	...	...	...	...	...	...	...	5	1	1	1	1	...	1	...	1	...	2	3	...	3	...	3	...	...
Deaths by Suicide	13	5	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Deaths by Homicide*	2	3	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Deaths by Accident†	14	27	4	...	2	...	1	6	1	2	1	
Execution by Warrant of Law	
Unknown	

WARDS.

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TABLE NO. 8—1891.

DEATHS FROM ZYMOTIC DISEASES.—Deaths from Small-Pox,* Measles, Scarletina, Diphtheria, Croup, Whooping Cough, Typhoid Fever, Malarial Fevers, Puerperal Fever, Diarrhoeal Diseases, and other Zymotic Diseases.														TOTAL DEATHS FROM ALL CAUSES.		TOTAL NUMBER OF DEATHS IN DIFFERENT INSTITUTIONS FOR THE MONTH ENDING MARCH 31, 1891.		TOTAL IN INSTITUTIONS.	COMPARATIVE MORTALITY, FOURTH QUARTER, 1890, And deaths from the 7 principal Zymotic Diseases.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
For the month ending March 31, 1891.																			Estimated Population.	Total Deaths.	Annual rate per 1,000.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid Fever.	Diarrhoeal Diseases.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
WARDS.	Small-Pox.*	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Typhoid Fever.	Malarial Fevers.	Puerperal Fever.	Diarrhoeal Diseases Under Five Years.	Diarrhoeal Diseases Other Ages.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.	TOTAL DEATHS FROM ALL CAUSES.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

During the month ending March 31, 1891, forty-seven burial certificates were issued for deaths occurring outside of the city limits, but are not included in the yearly mortality.

*The returns of births are incomplete.
*Still-births are not included in the mortality.

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Total Dea
Total Zym
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Total Dev
Deaths by
Unknown

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Measles..
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Typhus F
Cerebro-s
Remittent
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Puerpera

Diarrhœa

Erysipela
Pyæmia a
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Rheumat
Alcoholis
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Cancer an
Phthisis
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Surgical
Deaths b
Deaths b
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The annual death rate per 1,000 during the month, estimated population being 460,000, was 21.96. During the month there were 842 deaths, 14 less than the previous month.

CAUSES OF DEATH.	Total deaths reported during the month ending April 30, 1891.		Total deaths reported during the month ending April 30, 1890.		AGES BY YEARS.																			SEX.		Social Relations.		COLOR.		
	Total Deaths.	Local Diseases.	Total Deaths.	Local Diseases.																				Male.	Female.	Married.	Single.	White.*	Colored.	TOTAL.
					Under 1 year.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	White.	Colored.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.								65 to 70.	70 and over.
Total Deaths from all Causes.....	842	577	176	75	30	21	13	280	34	41	11	20	40	35	50	36	34	47	35	45	37	25	72	463	379	366	476	750	92	842
Total Zymotic Diseases.....	99	74	11	11	8	10	6	44	2	19	3	1	7	3	3	3	1	4	3	3	1	2	49	50	23	76	89	10	99	
Total Constitutional Diseases.....	133	121	11	5	2			13	5			10	14	14	16	9	7	12	8	11	6	5	2	77	56	71	62	107	26	133
Total Local Diseases.....	480	307	111	57	18	11	6	180	22	21	5	7	14	13	26	19	24	25	21	26	17	35	274	206	207	273	434	46	480	
Total Developmental Diseases.....	97	54	43	1				40	4			2	3	1	2	2	1	5	1	1	4	2	29	41	56	49	48	91	6	97
Deaths by Violence.....	33	21		2	1		1	3	1	1			6	4	3	3	1	1	2	4	1	1	22	11	16	17	29	4	33	
Unknown.....																														
Small Pox.....	12		3	4	2	2	1	11	1															7	5		12	11	1	12
Measles.....	8	9	1	1	2	1		5		3														5	3		8	8		8
Scarlatina.....	23	6	1	2	2	6	4	15		8													13	10		23	23		23	
Diphtheria.....	6	2	1	1			1	3		3													2	4		6	6		6	
Croup.....	5	3	4					4		1													2	3		5	4	1	5	
Whooping Cough.....	10	4			1			1		2		4	1		1		1						6	4	5	5	8	2	10	
Typhoid Fever.....	1	1								1													1			1	1		1	
Cerebro-Spinal Fever.....	12	9		1	1			2		1		1		1	1		1	1	2	1		1	5	7	8	4	9	3	12	
Remittent, In ermittent, Typho-Malarial, Con- gestive and Simple Continued Fevers.....	1	4						1					1										1	1	1	1	1		1	
Puerperal Fever.....	1	11		1										1									1	2	3	1	1		1	
Diarrhoeal Diseases { Under 5 years.....	3	3												1			1					1	1	2	3	1	3		3	

WARDS.

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TABLE No. 10 — 1891.

DEATHS FROM ZYMOTIC DISEASES.—Deaths from Small-Pox,* Measles, Scarletina, Diphtheria, Croup, Whooping Cough, Typhoid Fever, Malarial Fevers, Puerperal Fever, Diarrhoeal Diseases, and other Zymotic Diseases.														
For the month ending April 30, 1891.														
WARDS.	Small-Pox.*	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Typhoid Fever.	Malarial Fevers.	Puerperal Fever.	Diarrhoeal Diseases—Under Five Years.	Diarrhoeal Diseases—Other Ages.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.	TOTAL DEATHS FROM ALL CAUSES.
1st,				1									1	20
2d,	2							1					3	21
3d,				2									2	20
4th,	3			1									3	16
5th,					1								1	44
6th,						1								39
7th,	1						1			1			1	47
8th,	2			1								1	4	38
"														
9th,	1			1	1								3	24
10th,				1		1						1	3	34
"														
11th,					1		1	1				1	4	33
"														
"														
"														
"														
12th,												2	2	39
13th,	1			1		1						1	5	16
14th,								1				1	2	18
"														
15th,								3					4	18
16th,				1	1	1							3	22
17th,								2					2	40
"														
"														
18th,	1	2											3	26
"														
19th,					1								1	16
"														
"														
20th,			1				1					1	3	21
21st,	1	1	1		1	2		1				1	8	28
22d,										1		1	2	22
"														
23d,			1	10		1	1					3	16	80
"														
"														
24th,				1			1						2	22
"														
25th,				2			1	2					5	30
"														
26th,			1				2	1					4	25
"														
27th,										1		3	4	58
"														
"														
28th,			1							1			2	23
"														
Totals,	12	8	23	6	5	10	12	1	1	3	18	99	842	

TOTAL NUMBER OF DEATHS IN DIFFERENT INSTITUTIONS FOR THE MONTH ENDING APRIL 30, 1891:														
City Dispensary	3													
St. Vincent's	3													
Christian Home & Inf't Asy.														
Episcopal Orphan Home.														
Biddle Infant and Lying-in Hospital.	16													
St. Mary's Asylum.														
Colored Orphan Asylum.														
Pius Hospital.	3													
German Cath. Orphan Asy.														
Alexian Brothers' Hospital.	11													
U. S. Marine Hospital.	1													
Memorial Home.														
Ev. Lutheran Hospital.														
Home of the Friendless.														
Workhouse.														
Home of Aged and Infirm Israelites.														
Convent Sacred Heart.														
White Cross Home.	1													
St. Joseph's Convent.														
Visitation Convent.														
Protestant Hospital.	4													
St. Luke's Hospital.	3													
St. John's Hospital.	6													
Loretta Convent.														
Home Little Sisters of the Poor.	4													
Children's Hospital.														
House of Good Shepherd.														
Beaumont Hospital.														
St. Joseph's Orphan Asy.														
St. Philomena's Convent.														
St. Mary's Infirmary.	3													
Poly-Clinic Hospital.														
Martha Parson's Hospital.														
Ursuline Convent.														
City Hospital.	41													
Baptist Orphans' Home.	1													
St. L. Mullanphy Hospital.	3													
Good Samaritan Hospital.														
Mo. Pac. R'y Hospital.	3													
O'Fallon Park Sanitarium.														
Protestant Orphan Asylum.	2													
Poor House.	6													
Insane Asylum.	6													
Female Hospital.	14													
Baptist Sanitarium.														
TOTAL.	131													

COMPARATIVE MORTALITY, FOURTH QUARTER, 1890, And Deaths from the Seven Principal Zymotic Diseases.											
	Estimated Population.	Total Deaths.	Annual rate per 1,000.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid.	Fever.	Diarrhoeal Diseases.
Baltimore.....	455,427	2,044	18.16			11	104	20	69	32	
Boston	448,477	2,327	21.15		5	9	69	1	58	56	
Brooklyn	853,945	4,494	21.14		14	105	191	62	87	101	
Chicago	1,100,000	4,633	16.84		38	47	228	44	186	75	
Cincinnati	325,000	1,411	17.63			4	143		58	29	
New Orleans	254,000	2,051	32.81			1	27	10	8	112	
New York	1,654,648	8,447	20.48		157	87	314	92	113	277	
Philadelphia	1,064,277	4,617	17.42		1	82	192	33	120	49	
San Francisco.....	300,000	1,665	22.20			2	90	2	45	40	
St. Louis.....	460,000	1,902	16.55			18	59	6	41	31	

* BIRTHS REPORTED DURING THE MONTH ENDING FEBRUARY 30, 1891.																
Color.	Sex.	NATIVITY OF PARENTS.						Name of Child.								
		Foreign, Father only.		Foreign, Mother only.		Native of Father and Mother Stated Only.										
White.	Colored.	Male.	Female.	Not stated.	Foreign.	Native.	Foreign.	Native.	Foreign.	Not stated.	Stated.	Not Stated.				
786	762	34	416	370	228	359	120	47	2	5	2	5	18	699	87

* Still-births reported during the month ending April 30, 1891.....73.											
NATIVITY OF DECEASED.											
St. Louis.....	353										
Missouri.....	35										
Other parts of the United States.....	187										
Canada.....	3										
England.....	13										
Scotland.....	1										
Wales.....											
Ireland.....	67										
Germany.....	133										
France.....	2										
Switzerland.....	4										
Austrian Empire.....	4										
Sweden and Norway.....	2										
Russia.....	3										
Netherlands.....											
Denmark.....	1										
Italy.....	2										
Other Foreign Countries.....	7										
Unknown.....	25										
Total.....	842										

* The returns of births are incomplete.

* Still-births are not included in the mortality.

* During the month of April, 1891, four cases of Small-Pox developed in the city and were removed to the Quarantine and Small-Pox Hospital, six miles outside of the city limits.

During the month ending April 30, 1891, thirty-one burial certificates were issued for deaths occurring outside of the city limits, but are not included in the monthly mortality.

The annual

Total Deaths
Total Zymotic
Total Constitutional
Total Local Inflammations
Total Developmental
Deaths by Violence
Unknown...

Small-pox...
Measles.....
Scarlatina...
Diphtheria...
Croup.....

Whooping Cough
Typhoid Fever
Typhus Fever
Cerebro-Spinal
Remittent, Intermit-
tent, and Gestive and
Puerperal Fever

Diarrhoeal Diseases

Erysipelas...
Pyæmia and Septicæmia
Syphilis.....
Rheumatism
Alcoholism...
Other Zymotic

Cancer and Melancholia
Phthisis and Consumption
Marasmus — Cachexia
Hydrocephalus
Other Constitutional

Bronchitis. . .

Pneumonia... .

Other Diseases

Diseases of the Throat

Meningitis and Encephalitis

Convulsions and Epilepsy

Heat Stroke.

Apoplexy....

Other Diseases

Cirrhosis of the Liver

Enteritis, Gastritis, and

Colitis.....

Bright's Disease

Other Diseases

Diseases Genitally Transmitted

Diseases of the Skin

Diseases of the Eyes

Other Local Inflammations

Cyanosis.....

Inanition . . .

Premature Birth

Puerperal Diseases (Fever).....

Senility.....

Other Developmental

Surgical Operations

Deaths by Suicide

Deaths by Homicide

Deaths by Accidents

Execution by the Law

Unknown . . .

MORTALITY FOR THE MONTH ENDING MAY 31, 1890 — 653.
MORTALITY FOR THE MONTH ENDING APRIL 30, 1891 — 842.

TABLE SHOWING THE REPORTED MORTALITY FOR THE MONTH ENDING MAY 31, 1891.

The annual death rate per 1,000 during the month, estimated population being 460,000, was 17.8. During the month there were 686 deaths, 156 less than the previous month.

CAUSES OF DEATH.	Total deaths reported during the month ending May 31, 1891. Total deaths reported during the month ending May 31, 1890.		AGES BY YEARS.																SEX.	Social Relations.	COLOR.										
	Under 1 year.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	White.	Colored.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 and over.	Male.	Female.	Married.	Single.	White.	Colored.	TOTAL.			
Total Deaths from all Causes.....	686	653	129	49	22	13	16	198	32	31	16	20	38	39	30	45	26	28	20	40	36	59	385	301	292	394	596	90	686		
Total Zymotic Diseases.....	102	118	14	11	2	7	7	37	4	14	6	5	4	4	6	5	3	4	3	2	1	2	58	44	26	76	95	7	102		
Total Constitutional Diseases.....	127	123	10	3	3	2	4	13	5	3	1	6	20	14	9	16	7	6	2	2	5	5	70	57	57	70	103	24	127		
Total Local Diseases.....	356	293	70	35	17	4	7	115	19	12	8	6	9	14	12	23	16	13	17	27	24	28	206	156	160	196	308	48	356		
Total Developmental Diseases.....	72	79	33					29	4					3	2		2		1	3	4	24	36	36	35	37	66	6	72		
Deaths by Violence.....	29	40	2				2	4		2	1		5	4	1	1			2	1	2		21	8	14	15	24	5	29		
Unknown.....																															
Small-pox.....	7	1	1	3	1	1		6		1													4	3		7	7		7		
Measles.....	6	9		1	1	1	1	3	4	2													4	2		6	6		6		
Scarlatina.....	23	19	2	2		4		10	1	9	1	1	1										11	12		23	21	2	23		
Diphtheria.....	3	4		2			1	3	2														2	1		3	3		3		
Croup.....	8	1	7	1				6	2														5	3		8	6	2	8		
Whooping Cough.....	9	8					1		1		1	2	2		1	1	1					4	5		1	8	8	1	9		
Typhoid Fever.....																															
Typhus Fever.....																															
Cerebro-Spinal Fever.....		2																													
Remittent, Intermittent, Typho-Malarial, Con- gestive and Simple Continued Fevers.....	16	18	2	2		1		5		1	2	1		2		2		1			1	1	10	6	8	8	14	2	16		
Puerperal Fever.....		4																													
Diarrhoeal Diseases { Under 5 years.....	1	13	1					1															1				1		1		
{ Other ages.....	2	5															1						1	1	2		2		2		
Erysipelas.....	1	6																					1				1		1		
Pyæmia and Septicæmia.....	8	6									1		1					2		1		1	4	4	4	4	8		8		
Syphilis.....	5	2	1					1												1			4	2	1	1	2		2		
Rheumatism and Gout.....	5	1					1	1		1	1			1						1			4	1	2	3	5		5		
Alcoholism.....	11	3												2	1	2	1	2		1			7	4	7	4	11		11		
Other Zymotic Diseases.....		16																													
Cancer and Malignant Tumor.....	19	24												1	2	3	2	1	2	1	3	3	1	8	11	13	6	18	1	19	
Phthisis and Tuberculosis Pulmonalis.....	82	68		2	1	1		3	1	2	1	3	18	12	5	11	5	3	4		4	2	3	49	33	38	44	65	17	82	
Marasmus — Tabes Mesenterica and Scrofula.....	12	13			2	1		9	2					1										6	6	1	11	10	2	12	
Hydrocephalus, Tubercular Meningitis, etc.....	3	6	2					1																1	2		3	2	1	3	
Other Constitutional Diseases.....	11	12		1				1	1	1			2	1	1	2		1		1		1	6	5	5	6	8	3	11		
Bronchitis.....	48	26	12	12	8			26	7				1			1	2				3	2	6	18	30	13	35	41	7	48	
Pneumonia.....	71	44	13	14	6		3	29	7	3	3	1	1	2		5	2		3		3	2	3	5	44	27	24	47	60	11	71
Other Diseases Respiratory Organs.....	31	24	8			1		8	1	2				2	3	1	3	2	1	2	1	3	2	20	11	17	14	29	2	31	
Diseases of the Circulatory System.....	47	46	2			1		3		1	2	2	3	2	1	5	3	3	3	4	7	5	3	26	21	33	14	35	12	47	
Meningitis and Encephalitis.....	15	17	8	3			1	12		1	1		1										7	8	1	14	15		15		
Convulsions and Trismus.....	26	24	18	3	2	1		20	4	1					1							16	10	1	25	22	4		26		
Heat Stroke.....																															
Apoplexy.....	17	11													1	1	3	2			3	4	3	12	5	16	1	16	1	17	
Other Diseases of the Brain and Nervous System.....	35	31	3	2		1	1	7		2	1	2	2	3		4	1	3	2		3	2	19	16	19	31	4	35		35	
Cirrhosis of Liver and Hepatitis.....	7	17													2								1	1	1	4	3	5	2	7	
Enteritis, Gastro Enteritis, Peritonitis and Gas- tritis.....	25	13	6	1	1		1	9		2	1			3	2	3			1		3	1		13	12	10	15	23	2	25	
Bright's Disease and Nephritis.....	15	22											1	1	2		2		3	1	2	2	1	11	4	9	6	14	1	15	
Other Diseases Urinary Organs.....	3	2																				1	1		2	3		3		3	
Diseases Generative Organs.....		1																													
Diseases of the Locomotory Organs.....	2					1		1																							
Diseases of the Integument.....																															
Other Local Diseases.....	14	15												1	1	3	2		1		3	1	2	8	6	13	1	12	2	14	
Cyanosis.....	2	2	2					2																1	1		2	2		2	
Inanition.....	22	30	22					19	3														12	10		22	19	3		2	
Premature Births.....	9	15	9					8	1														6	3		9	8	1		9	
Puerperal Diseases (not including Puerperal Fever).....	5												3	2																	
Senility.....	32	26																1	3	4	24	15	17	30	2	31	1		5		
Other Developmental Diseases.....	2	6															2						2			1	1	2		32	
Surgical Operations.....	2	6															1			1				2	2		2			2	
Deaths by Suicide.....	3	8											1	1		1							1	2	2	1	3			3	
Deaths by Homicide*.....	6	6											3	2									5	1	1	5	1			6	
Deaths by Accident†.....	18	20	2				2	4		2	1		1	1	1		3	1	2		2		15	3	9	9	18			18	
Execution by Warrant of Law.....																															
Unknown.....																															

WARDS

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DEATHS FROM ZYMOTIC DISEASES.—Deaths from Small-Pox,* Measles, Scarlatina, Diphtheria, Croup, Whooping Cough, Typhoid Fever, Malarial Fevers, Puerperal Fever, Diarrhoeal Diseases, and other Zymotic Diseases.

For the month ending May 31, 1891.

TOTAL NUMBER OF DEATHS IN DIFFERENT INSTITUTIONS FOR THE MONTH ENDING MAY 31, 1891.

WARDS.	Small-Pox.*	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Typhoid Fever.	Malarial Fevers.	Puerperal Fever.	Diarrhoeal Diseases Under Five Years.	Diarrhoeal Diseases Other Ages.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.	TOTAL DEATHS FROM ALL CAUSES.
1st,							1					2	20	
2d,			1									1	18	
3d,					1							1	16	
4th,			1									1	16	
5th,								1				1	20	
6th,				1		1		1				1	30	
7th,				1				3				1	35	
8th,			1	3				2		1		1	37	
"												1	16	
9th,	1							1				1	3	
10th,								1				1	2	
11th,				1				1				1	3	
"												1	1	
"												1	1	
"												1	1	
"												1	1	
12th,			1									3	4	
"												1	2	
13th,					1							1	7	
14th,							1					1	18	
"												1	1	
15th,	1			4								5	17	
16th,												11	11	
17th,								1				1	2	
"												1	30	
"												1	1	
18th,	1			1								2	22	
19th,	1			1						1		3	27	
"												1	1	
"												1	1	
20th,												7	7	
21st,	1						1					3	5	
22d,	1	1	2				3					7	21	
"												4	14	
23d,			6	1	2	1						4	14	
"												2	5	
24th,			1		1	1						2	5	
"												1	1	
25th,												1	1	
26th,			2		1	1	1					5	23	
"					2	1	1					2	6	
27th,												1	6	
"												1	6	
28th,	1		1		1	1	1					1	6	
"												1	6	
Totals..	* 7	6	23	3	8	9	16	1	2	27	102	686		

TOTAL 130

COMPARATIVE MORTALITY, FIRST QUARTER, 1891,
And deaths from the 7 principal Zymotic Diseases.

	Estimated Population.	Total Deaths.	Annual rate per 1,000.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid.	Fever.	Diarrhoeal Diseases.
Baltimore.....	434,439	2,211	20.5	7	9	74	37	26	17		
Boston.....	448,477	2,442	22.2	12	21	47	7	23	19		
Brooklyn.....	853,945	4,856	22.8	79	153	228	61	26	37		
Chicago.....	1,200,000	7,319	24.7	102	160	258	64	199	89		
Cincinnati.....	300,000	1,564	20.8	2	9	69	2	42	21		
New Orleans.....	254,000	1,761	28.1	23	1	15	1	8	67		
New York.....	1,667,948	10,101	24.3	238	309	354	129	42	156		
Philadelphia.....	1,069,264	5,513	20.8	6	71	149	26	196	57		
San Francisco.....	330,000	1,789	21.7	2	2	125	4	29	9		
St. Louis.....	460,000	2,261	19.6	18	28	67	20	17	15		

TOTAL IN INSTITUTIONS.

*BIRTHS REPORTED DURING THE MONTH ENDING
MAY 31, 1891.

664	TOTAL.		Color.	Sex.	NATIVITY OF PARENTS.										Name of Child.																
	632	White.			32	Colored.	331	Male.	333	Female.	Not Stated.	197	Foreign.		293	Native.	97	Foreign, Father only.	46	Foreign, Mother only.	3	Native.	5	Foreign.	2	Native.	5	Foreign.	16	Not Stated.	592	Stated.	72	Not Stated.

*Still-births reported during the month ending
May 31, 1891....72.

NATIVITY OF DECEASED.

St. Louis.....	265
Missouri.....	30
Other parts of the United States.....	180
Canada.....	3
England.....	7
Scotland.....	1
Wales.....	1
Ireland.....	54
Germany.....	108
France.....	2
Switzerland.....	2
Austrian Empire.....	3
Sweden and Norway.....	1
Russia.....	1
Netherlands.....	1
Denmark.....	1
Italy.....	3
Other Foreign Countries.....	6
Unknown.....	21
Total.....	686

*The returns of births are incomplete.

*Still-births are not included in the mortality.

* During the month of May, 1891, fourteen cases of Small-Pox occurred in the city and were removed to the Quarantine and Small-Pox Hospital, six miles outside of the city limits; one death occurred there.

During the month ending May 31, 1891, twenty-eight burial certificates were issued for deaths occurring outside of the city limits, but are not included in the yearly mortality.

The annual

Total Deaths
Total Zymotic
Total Constitutional
Total Local
Total Developmental
Deaths by Violence
Unknown...
Small-Pox...
Measles.....
Scarlatina...
Diphtheria...
Croup.....
Whooping Cough
Typhoid Fever
Typhus Fever
Cerebro-Spinal
Remittent, Intermit-
tent, and
Puerperal Fever
Diarrhoeal Diseases
Erysipelas...
Pyæmia and
Septicæmia
Syphilis.....
Rheumatism
Alcoholism...
Other Zymotic
Cancer and Melancholia
Phthisis and
Marasmus —
Hydrocephalus
Other Constitutional
Bronchitis...
Pneumonia...
Other Diseases of the Lungs
Diseases of the Throat
Meningitis and
Convulsions and
Heat Stroke.
Apoplexy...
Other Diseases of the Brain
Cirrhosis of the Liver
Enteritis, Gastritis,
and
Bright's Disease
Other Diseases of the Urinary
System
Diseases Genitally Transmitted
Diseases of the Skin
Other Local Diseases
Cyanosis.....
Inanition.....
Premature Birth
Puerperal Diseases (not
Fever).....
Senility.....
Other Developmental
Surgical Operations
Deaths by Surgical Operations
Deaths by Hoemorrhage
Deaths by Accidents
Execution by
Unknown....

MORTALITY FOR THE MONTH ENDING MAY 31, 1891 — 686.

TABLE SHOWING THE REPORTED MORTALITY FOR THE MONTH ENDING JUNE 30, 1891.

The annual death rate per 1,000 during the month, estimated population being 460,000, was 21.91. During the month there were 840 deaths, 154 more than the previous month.

CAUSES OF DEATH.	Total deaths reported during the month ending June 30, 1891.	Total deaths reported during the month ending June 30, 1890.	AGES BY YEARS.																			SEX.		Social Relations.		COLOR.		TOTAL.		
			Under 1 year.					Total under 5 years.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 and over.	Male.	Female.	Married.	Single.	White.		Colored.	
			1 to 2.	2 to 3.	3 to 4.	4 to 5.	White.																							Colored.
Total Deaths from all Causes.....	840	1004	331	61	22	10	8	399	33	20	9	35	38	32	37	25	28	23	38	16	32	25	47	475	365	258	582	753	87	840
Total Zymotic Diseases.....	241	294	128	37	7	4	6	174	8	10	2	11	4	1	4	3	2	3	7	3	1	5	3	127	114	25	216	228	13	241
Total Constitutional Diseases.....	144	175	44	3	2	1		43	7	2	1	7	19	12	15	8	6	5	5	1	9	4		86	58	51	93	118	26	144
Total Local Diseases.....	308	375	97	21	12	4	1	120	15	6	3	9	11	11	11	16	17	21	11	17	9	22	178	130	127	181	269	39	308	
Total Developmental Diseases.....	102	98	62					59	3			1	1	3	1		1	2	3	1	5	22	51	51	35	67	97	5	102	
Deaths by Violence.....	45	62			1	1	1	3		2	3	7	4	5	6	3	4		3					33	12	20	25	41	4	45
Unknown.....																														
Small-Pox.....	7		1	5			1	7																3	4		7	7		7
Measles.....	3	12				2		2		1													3				3	3		3
Scarlatina.....	11	16	1	2			3	2		3	1												7	4		11	11		11	
Diphtheria.....	3							2															2	1			3	3		3
Croup.....	11	3	6	3	1	1		8	3														7	4			3	3		3
Whooping Cough.....	11	8								1	1	3	3	1		1							4	7	2		9	10	1	11
Typhoid Fever.....																														
Typhus Fever.....	3		2					2				1											2	1			3	3		3
Cerebro-Spinal Fever.....	17	21	2	1				2	1	3		4	1		1	1	1		1			1	1	9	8	5	12	14	3	17
Remittent, In ermittent, Typho-Malarial, Con- gestive and Simple Continued Fevers.....	2	1										1			1									2	2		1	1	2	
Puerperal Fever.....	145	202	114	26	3	1	1	141	4			2			1				2	3	1	2	2	73	72	2	145	141	4	145
Diarrhoeal Diseases { Under 5 years.....	15	14								1									1			2	2	9	6	9	6	15		15

WARDS.	Small-Pox.*	S in D
1st,	..	
2d,	..	
3d,	..	
4th,	..	
5th,	..	
"	..	
6th,	..	
7th,	..	
"	..	
8th,	..	
"	..	
"	..	
9th,	..	
10th,	..	
"	..	
11th,	..	
"	..	
"	..	
"	..	
"	..	
"	..	
"	..	
12th,	..	
"	..	
13th,	..	
14th,	..	
"	..	
15th,	..	
16th,	..	
17th,	..	
"	..	
"	..	
"	..	
18th,	..	
"	..	
19th,	..	
"	..	
"	..	
20th,	..	
"	..	
21st,	..	
"	..	
22d,	..	
"	..	
23d,	..	
"	..	
"	..	
24th,	..	
"	..	
"	..	
25th,	..	
"	..	
26th,	..	
"	..	
27th,	..	
"	..	
"	..	
"	..	
28th,	..	
"	..	
"	..	
Totals,	..	

During
mortality.

TABLE No. 14 — 1891

WARDS.	DEATHS FROM ZYMOTIC DISEASES.—Deaths from Small-Pox,* Measles, Scarlatina, Diphtheria, Croup, Whooping Cough, Typhoid Fever, Malarial Fevers, Puerperal Fever, Diarrhoeal Diseases, and other Zymotic Diseases.											TOTAL DEATHS FROM ALL CAUSES.	TOTAL NUMBER OF DEATHS IN DIFFERENT INSTITUTIONS FOR THE MONTH ENDING JUNE 30, 1891.	TOTAL IN INSTITUTIONS.		
	For the month ending 30, June 1891.															
	Small-Pox.*	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Typhoid Fever.	Malarial Fevers.	Puerperal Fever.	Diarrhoeal Diseases Under Five Years.	Diarrhoeal Diseases Other Ages.				Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.
1st,								1		4		2	7	25	City Dispensary	
2d,								1		2			3	10		
3d,								1		4		1	6	22		
4th,							1	1		4	1		7	23		
5th,	1			1			2			3			7	34	St. Vincent's	
6th,																
7th,				1	2			1	2	7	1		10	36	Christian Home & Inf't Asy.	
8th,			1	2		1	1	1		15	1		20	41	Episcopal Orphan Home	
"															Biddle Infant and Lying-in Hospital.	18
9th,										9			15	46	St. Mary's Asylum	
10th,	1			1						6	1		9	32	Colored Orphan Asylum	
11th,				1		1			1	6	1	1	11	31	Pius Hospital	
"					1	1		1		3	1	1	8	41	German Cath. Orphan Asy.	
"															Alexian Brothers' Hospital	7
"															U. S. Marine Hospital	1
"															Memorial Home	1
"															Ev. Lutheran Hospital.	1
"															Home of the Friendless	1
"															Workhouse.	
"															Home of Aged and Infirm Israelites.	
12th,										5	1	1	7	32	Convent Sacred Heart	
"															White Cross Home	
13th,								1		4	2	1	8	16	St. Joseph's Convent	
14th,			1			1		1		10		1	14	39	Visitation Convent	
15th,										2		1	6	22		
16th,			1					2		6			7	16		
17th,				1		1				4	1	1	8	33	Protestant Hospital	
"															St. Luke's Hospital	3
"															St. John's Hospital	5
18th,										1		1	2	13	Loretta Convent	
19th,															Home Little Sisters of the Poor	3
"						1				6			7	36	Children's Hospital	6
"															House of Good Shepherd.	
"															Beaumont Hospital.	
20th,	1					1		1		1			4	17	St. Joseph's Orphan Asy'm	
"															St. Philomena's Convent.	
21st,	1						2			4		1	8	24	St. Mary's Infirmary	3
22d,	1									1			2	11	Poly-Clinic Hospital.	
"															Martha Parson's Hospital.	
23d,				1		1	4	1		5	1	2	15	73	Ursuline Convent.	
"															City Hospital.	59
"															Baptist Orphans' Home	
24th,										3	1		4	22	St. L. Mullanphy Hospital.	4
"															Good Samaritan Hospital.	3
25th,	1							1		6			8	27	Mo. Pac. R'y Hospital	3
"																
26th,	1							2		9	1		13	39	Protestant Orphan Asylum	2
"															O'Fallon Park Sanitarium.	
27th,						1				7	2	2	12	44	Poor House.	6
"															Insane Asylum.	3
"															Female Hospital.	9
28th,				1		1		1		7			10	36	Baptist Sanitarium.	9
"																
Totals,	7	3	11	3	11	11	17	2	145	15	16	241	840		TOTAL.	136

COMPARATIVE MORTALITY, FIRST QUARTER, 1891,
And Deaths from the Seven Principal Zymotic Diseases.

	Estimated Population.	Total Deaths.	Annual rate per 1,000.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid Fever.	Diarrhoeal Diseases.
Baltimore.....	434,439	2,211	20.5	7	9	74	37	26	17	
Boston.....	448,477	2,442	22.2	12	21	47	7	23	19	
Brooklyn.....	853,945	4,856	22.8	79	153	228	61	26	37	
Chicago.....	1,200,000	7,319	24.7	102	180	258	64	199	89	
Cincinnati.....	300,000	1,564	20.8	2	9	69	2	42	21	
New Orleans.....	254,000	1,761	28.1	23	1	15	1	8	67	
New York.....	1,667,948	10,101	24.3	238	309	354	129	42	156	
Philadelphia.....	1,069,264	5,513	20.8	6	71	149	26	196	57	
San Francisco.....	330,000	1,789	21.7		2	125	4	29	9	
St. Louis.....	460,000	2,261	19.6	18	28	67	20	17	15	

* BIRTHS REPORTED DURING THE MONTH ENDING
JUNE 30, 1891.

541	TOTAL.	Color.	Sex.	NATIVITY OF PARENTS.										Name of Child.			
		White.	Colored.	Male.	Female.	Not stated.	Foreign.	Native.	Foreign, Father only.	Foreign, Mother only.	Nativity of Father Stated Only.		Nativity of Mother Stated Only.		Not stated.	Stated.	Not Stated.
											Native.	Foreign.	Native.	Foreign.			
909	32	Colored.															
467		Male.															
474		Female.															
.....		Not stated.															
268		Foreign.															
387		Native.															
157		Foreign, Father only.															
90		Foreign, Mother only.															
3		Native.															
5		Foreign.															
4		Native.															
3		Foreign.															
24		Not stated.															
838		Stated.															
103		Not Stated.															

* Still-births reported during the month ending
April 30, 1891.....85.

NATIVITY OF DECEASED.

St. Louis.....	434
Missouri.....	34
Other parts of the United States.....	165
Canada.....	5
England.....	6
Scotland.....	3
Wales.....	1
Ireland.....	43
Germany.....	100
France.....	4
Switzerland.....	6
Austrian Empire.....	
Sweden and Norway.....	2
Russia.....	2
Netherlands.....	
Denmark.....	
Italy.....	3
Other Foreign Countries.....	10
Unknown.....	22
Total.....	840

* The returns of births are incomplete.

* Still-births are not included in the mortality.

During the month ending June 30, 1891, twenty-eight burial certificates were issued for deaths occurring outside of the city limits, but are not included in the yearly mortality.

The annual

Total Deaths f	
Total Zymotic	
Total Constitu	
Total Local Di	
Total Develop	
Deaths by Viol	
Unknown.....	
Small-pox....	
Measles.....	
Scarlatina....	
Diphtheria....	
Croup.....	
Whooping Cou	
Typhoid Fever	
Typhus Fever..	
Cerebro-Spinal	
Remittent, Inte	
gestive and S	
Puerperal Feve	
Diarrhoeal Dise	
Erysipelas....	
Pyæmia and Sep	
Syphilis.....	
Rheumatism an	
Alcoholism....	
Other Zymotic I	
Cancer and Mali	
Phthisis and Tu	
Marasmus — Tak	
Hydrocephalus,	
Other Constituti	
Bronchitis.....	
Pneumonia.....	
Other Diseases I	
Diseases of the C	
Meningitis and I	
Convulsions and	
Heat Stroke....	
Apoplexy.....	
Other Diseases o	
Cirrhosis of Live	
Enteritis, Gastro	
tritis.....	
Bright's Disease	
Other Diseases U	
Diseases Generat	
Diseases of the L	
Diseases of the In	
Other Local Dise	
Cyanosis.....	
Inanition.....	
Premature Births	
Puerperal Disease	
Fever).....	
Senility.....	
Other Developme	
Surgical Operation	
Deaths by Suicide	
Deaths by Homici	
Deaths by Accide	
Execution by War	
Unknown.....	

The annual death rate per 1,000 during the month, estimated population being 460,000, was 18.62. During the month there were 864 deaths, 24 more than the previous month.

CAUSES OF DEATH.	Total deaths reported during the month ending July 31, 1891.		Total deaths reported during the month ending July 31, 1890.		AGES BY YEARS.															SEX.		Social Relations.		COLOR.		TOTAL.				
	Under 1 year.				Total under 5 years.																									
	1 to 2.	2 to 3.	3 to 4.	4 to 5.	White.	Colored.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 and over.	Male.	Female.	Married.	Single.	White.		Colored.			
Total Deaths from all Causes.....	864	826	309	57	14	9	13	374	28	12	14	29	42	44	40	46	30	35	35	24	29	26	56	449	415	303	561	780	84	864
Total Zymotic Diseases.....	250	225	121	29	9	4	9	162	10	8	3	7	11	9	10	8	2	4	4	2	2	4	4	115	135	46	204	233	17	250
Total Constitutional Diseases.....	160	146	53	8	..	1	1	58	5	..	1	1	13	11	12	10	10	6	10	4	2	3	70	90	56	104	141	19	160	
Total Local Diseases.....	282	281	74	17	5	4	3	93	10	4	4	6	12	12	14	18	10	18	20	14	12	12	21	169	113	129	153	248	34	282
Total Developmental Diseases.....	112	125	61	2	..	4	..	60	3	..	1	1	2	2	1	3	1	2	2	2	6	3	26	50	62	42	70	104	8	112
Deaths by Violence.....	60	49	..	1	..	..	..	1	..	..	5	9	4	10	3	7	7	5	1	2	4	3	45	15	30	30	54	6	60
Unknown.....
Small-pox.....	6	..	4	2	..	..	..	4	2	..	..	..	..	..	..	..	..	..	..	..	..	3	3	..	..	6	4	2	6
Measles.....	2	6	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	8	6	..	14	14	..	..	..
Scarlatina.....	14	15	..	2	2	2	6	12	..	2	1	..	..	..	..	..	..	..	..	..	..	3	2	..	5	5	..	5	..
Diphtheria.....	5	1	1	2	..	..	1	4	..	1	..	..	..	..	..	..	..	..	..	..	..	4	5	..	9	8	1	9	..
Croup.....	9	7	5	2	1	1	1	8	1	..	..	..	..	..	1	..	..	..	..	..	..	7	10	3	14	15	2	17	..
Whooping Cough.....	17	12	1	1	4	7	3	..	1
Typhoid Fever.....	2	..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	..	2	2	..	2	..
Cerebro-Spinal Fever.....	19	24	1	..	1	2	..	2	1	2	..	3	3	2	1	1	..	1	..	1	9	10	10	9	17	2	19	..
Remittent, Intermittent, Typho-Malarial, Con- } gestive and Simple Continued Fevers..... }	3	1	..	..	..	1	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	64	72	3	136	129	7	136	..
Puerperal Fever.....	136	114	109	21	5	129	7	3	1	5	3	1	1	3	2	1	3	3	12	17	24	5	28	1	29
Diarrhoeal Diseases { Under 5 years. { Other ages.	29	30	..	..	..	..	..	..	2	..	1	..	1	..	..	..	..	..	..	..	..	1	..	..	1	1	..	1	..
Erysipelas.....	1	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	1	1	..	1	..
Pyæmia and Septicæmia.....	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	1	1	..	1	..
Syphilis.....	1	6	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	1	1	..	1	1	..	1	..
Rheumatism and Gout.....	1	1	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	..	..	2	2	3	1	3	1	1	4
Alcoholism.....	4	7	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..
Other Zymotic Diseases.....
Cancer and Malignant Tumor.....	28	15	..	..	..	..	..	..	..	1	7	11	11	12	7	5	2	3	3	2	..	2	10	18	23	34	32	5	28
Phthisis and Tuberculosis Pulmonalis.....	66	58	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	34	32	32	34	55	11	66	..
Marasmus — Tabes Mesenterica and Scrofula.....	58	52	51	6	..	..	1	53	5	..	..	..	..	..	..	..	..	..	..	..	..	23	35	..	58	53	5	58	..
Hydrocephalus, Tubercular Meningitis, etc.....	5	7	2	2	..	1	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	2	3	..	5	5	..	5	..
Other Constitutional Diseases.....	3	14	..	..	..	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	..	1	2	1	2	2	1	3	..
Bronchitis.....	14	10	5	2	..	1	1	5	4	1	..	1	5	1	1	1	..	2	2	9	5	3	11	9	5	14	..
Pneumonia.....	23	27	6	4	..	..	..	8	3	1	..	..	1	1	1	1	..	1	2	..	..	12	11	6	17	17	6	23	..
Other Diseases Respiratory Organs.....	17	15	6	1	..	..	1	8	..	1	..	..	1	1	1	..	..	1	2	..	..	13	4	6	11	17	..	17	..
Diseases of the Circulatory System.....	42	34	1	1	2	3	2	3	5	3	4	5	2	8	2	28	14	28	14	34	8	42	..
Meningitis and Encephalitis.....	23	23	13	4	2	1	1	20	1	..	..	..	..	..	1	..	..	1	..	..	..	8	15	1	22	22	1	23	..
Convulsions and Trismus.....	36	37	34	2	..	..	..	36	..	..	..	..	..	..	..	..	..	..	..	..	..	21	15	..	36	36	..	36	..
Heat Stroke.....	..	9	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Apoplexy.....	12	13	..	..	..	..	..	..	..	..	..	2	..	..	1	..	2	2	..	2	1	5	7	10	2	10	2	12	..
Other Diseases of the Brain and Nervous System.....	36	45	7	4	1	1	..	11	2	3	2	2	..	2	2	4	..	1	9	22	14	19	17	33	3	36	..
Cirrhosis of Liver and Hepatitis.....	15	15	..	..	..	..	..	..	..	1	..	..	1	1	2	2	..	2	2	1	..	10	5	11	4	14	1	15	..
Enteritis, Gastro-Enteritis, Peritonitis and Gas- } tritis..... }	15	11	..	..	..	..	..	..	..	1	1	..	2	1	1	3	2	..	2	..	2	10	5	12	3	11	4	15	..
Bright's Disease and Nephritis.....	27	23	2	1	2	3	3	3	3	3	..	4	3	18	9	21	6	25	2	27	..
Other Diseases Urinary Organs.....	1	3	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	1	..	1	1	..
Diseases Generative Organs.....
Diseases of the Locomotory Organs.....	1	3	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	1	..
Diseases of the Integument.....	20	12	2	1	3	..	1	2	..	1	2	1	1	..	3	2	2	..	2	11	9	11	9	19	1	20	..
Other Local Diseases.....	2	3	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	2	2	..	2	..
Cyanosis.....	39	64	38	1	..	..	..	38	1	..	..	..	..	..	..	..	..	..	..	..	..	18	21	..	39	38	1	39	..
Inanition.....	15	12	15	..	..	..	..	14	1	..	..	..	..	..	..	..	..	..	..	..	..	8	7	..	15	14	1	15	..
Premature Births.....	5	2	2	2	..	1	5	5	..	5
Puerperal Diseases (not including Puerperal } Fever)..... }	35	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	6	3	25	14	21	32	3	32	3	35	..	
Senility.....	16	17	6	1	6	1	..	1	1	2	1	2	..	1	1	9	7	5	11	13	3	16	..
Other Developmental Diseases.....
Surgical Operations.....	4	1	1	2	1	1	2	..	1	2	1	1	3	2	2	4	..	4	..
Deaths by Suicide.....	16	9	..	..	..	..	..	..	..	..	..	..	..	5	1	1	2	..	..	..	..	10	6	9	7	15	1	16	..
Deaths by Homicide*.....	3	5	..	..	..	..	..	..	..	..	..	..	2	2	..	..	..	1	..	..	..	2	1	3	..	1	2	3	..
Deaths by Accident.....	37	34	1	..	..	..	..	1	..	5	8	2	2	2	6	5	2	..	2	2	..	32	5	16	21	34	3	37	..
Execution by Warrant of Law.....
Unknown.....

WARDS.

1st,
2d,
3d,
4th,
5th,
6th,
7th,
8th,
9th,
10th,
11th,
12th,
13th,
14th,
15th,
16th,
17th,
18th,
19th,
20th,
21st,
22d,
23d,
24th,
25th,
26th,
27th,
28th,

Totals..

Dur
mortalit

DEATHS FROM ZYMOTIC DISEASES.—Deaths from Small-Pox,* Measles, Scarlatina, Diphtheria, Croup, Whooping Cough, Typhoid Fever, Malarial Fevers, Puerperal Fever, Diarrheal Diseases, and other Zymotic Diseases.														FROM ALL CAUSES.		TOTAL NUMBER OF DEATHS IN DIFFERENT INSTITUTIONS FOR THE MONTH ENDING JULY 31, 1891.
WARDS.	For the month ending July 31, 1891.													TOTAL DEATHS FROM ALL CAUSES.		
	Small-Pox.*	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Typhoid Fever.	Malarial Fevers.	Puerperal Fever.	Diarrheal Diseases Under Five Years.	Diarrheal Diseases Other Ages.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.	TOTAL DEATHS FROM ALL CAUSES.		
1st,										6			1	7	16	City Dispensary.....
2d,										2			1	3	20	
3d,										10				11	25	
4th,	1	1					1			7	3			14	22	
5th,			1				1	1		2	2			6	29	St. Vincent's.....
6th,				1	1					5			1	9	33	
7th,						2	1	2	1	15	1			22	46	Christian Home & Inf't Asy.
8th,			1					1		11	1			14	39	Episcopal Orphan Home.
9th,				5	2		1			6	1			15	44	Biddle Infant and Lying-in
10th,								1	1	7	2			11	29	Hospital.....
11th,							4	2	1	8				15	14	Colored Orphan Asylum...
12th,				2			1	2		1	1			7	19	Plus Hospital.
13th,										3				3	25	German Cath. Orphan Asy.
14th,					1	1					2			4	22	Alexian Brothers' Hospital
15th,	2						1	2		2				7	26	U. S. Marine Hospital.
16th,										2				2	15	Memorial Home.
17th,										6				6	36	Ev. Lutheran Hospital.
18th,				1	1			1		3	4			10	27	Home of the Friendless
19th,																House of Refuge.
20th,	1						1			4				6	19	Home of Aged and Infirm
21st,											1			1	21	Israelites
22d,				1				1		1				3	13	Academy Sacred Heart.
23d,																White Cross Home...
24th,				1												St. Joseph's Convent.
25th,																Visitation Convent.
26th,	2						1	2		4	2	1		12	32	
27th,								1		7	1	3		12	49	Protestant Hospital.
28th,						1				9	2	1		13	37	St. Luke's Hospital.
Totals..	* 6	2	14	5	9	17	19	3	136	29	10	250	864			TOTAL.....

During the month ending July 31, 1891, twenty-six burial certificates were issued for deaths occurring outside of the city limits, but are not included in the yearly mortality.

COMPARATIVE MORTALITY, FIRST QUARTER, 1891,
And deaths from the 7 principal Zymotic Diseases.

	Estimated Population.	Total Deaths.	Annual rate per 1,000.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid Fever.	Diarrhoeal Diseases.
Baltimore.....	434,439	2,211	20.5	...	7	9	74	37	26	17
Boston.....	448,477	2,442	22.3	...	12	21	47	7	23	19
Brooklyn.....	853,945	4,856	22.8	...	79	153	228	61	26	37
Chicago.....	1,200,000	7,319	24.7	...	102	160	258	64	199	89
Cincinnati.....	300,000	1,564	20.8	...	2	9	69	2	42	21
New Orleans.....	254,000	1,761	28.1	...	23	1	15	1	8	67
New York.....	1,667,948	10,101	24.3	...	238	309	354	129	42	156
Philadelphia.....	1,069,264	5,513	20.8	...	6	71	149	26	192	57
San Francisco.....	330,000	1,789	21.7	...	2	125	4	29	9	9
St. Louis.....	460,000	2,261	19.6	...	18	28	67	20	17	15

*BIRTHS REPORTED DURING THE MONTH ENDING
JULY 31, 1891.

	TOTAL.	Color.	Sex.	NATIVITY OF PARENTS.	Name of Child.
1,200	White.				
1,147	Colored.				
53					
620	Male.				
580	Female.				
.....	Not Stated.				
328	Foreign.				
477	Native.				
225	Foreign, Father only.				
108	Foreign, Mother only.				
5	Native.			Nativity of Father Stated Only.	
10	Foreign.			Nativity of Mother Stated Only.	
6	Native.				
9	Foreign.				
32	Not Stated.				
1,079	Stated.				
121	Not Stated.				

*Still-births reported during the month ending
July 31, 1891....74.
NATIVITY OF DECEASED.

St. Louis.....	427
Missouri.....	30
Other parts of the United States.....	184
Canada.....	6
England.....	11
Scotland.....	2
Wales.....	1
Ireland.....	52
Germany.....	102
France.....	5
Switzerland.....	10
Austrian Empire.....	1
Sweden and Norway.....	3
Russia.....	.....
Netherlands.....	.....
Denmark.....	1
Italy.....	.....
Other Foreign Countries.....	11
Unknown.....	18
Total.....	865

*The returns of births are incomplete.
*Still-births are not included in the mortality.

Total Deaths
 Total Zymotic
 Total Constitutional
 Total Local
 Total Developmental
 Deaths by Violence
 Unknown...
 Small-Pox...
 Measles.....
 Scarlatina...
 Diphtheria...
 Croup.....
 Whooping Cough
 Typhoid Fever
 Typhus Fever
 Cerebro-Spinal
 Remittent, Intermit-
 tent, Gestive and
 Puerperal Fever
 Diarrhoeal Diseases
 Erysipelas...
 Pyæmia and
 Syphilis.....
 Rheumatism
 Alcoholism...
 Other Zymotic
 Cancer and Neoplasms
 Phthisis and
 Marasmus —
 Hydrocephalus
 Other Constitutional
 Bronchitis...
 Pneumonia...
 Other Diseases of the
 Lungs
 Diseases of the
 Meningitis and
 Convulsions
 Heat Stroke
 Apoplexy...
 Other Diseases of the
 Brain
 Cirrhosis of the
 Liver
 Enteritis, Gallstones
 Bright's Disease
 Other Diseases of the
 Genito-Urinary
 Diseases of the
 Digestive
 Diseases of the
 Other Local
 Cyanosis....
 Inanition...
 Premature Birth
 Puerperal Disease
 Fever).....
 Senility.....
 Other Developmental
 Surgical Operations
 Deaths by Suicide
 Deaths by Homicide
 Deaths by Accidents
 Execution by
 Unknown....

WARDS.

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Totals,

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mortal

TABLE No. 18 — 1891.

DEATHS FROM ZYMOTIC DISEASES. — Deaths from Small-Pox,* Measles, Scarlatina, Diphtheria, Croup, Whooping Cough, Typhoid Fever, Malarial Fevers, Puerperal Fever, Diarrhoeal Diseases, and other Zymotic Diseases.														TOTAL DEATHS FROM ALL CAUSES.		TOTAL NUMBER OF DEATHS IN DIFFERENT INSTITUTIONS FOR THE MONTH ENDING AUGUST 31, 1891.		TOTAL IN INSTITUTIONS.
For the month ending August 31, 1891.																		
WARDS.	Small-Pox.*	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Typhoid Fever.	Malarial Fevers.	Puerperal Fever.	Diarrhoeal Diseases Under Five Years.	Diarrhoeal Diseases Other Ages.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.					
1st,										2			2	23				City Dispensary
2d,										1			1	13				
3d,										1			1	16				
4th,							1			2			2	16				
5th,				1			1		1	4			7	25				St. Vincent's
6th,																		
7th,				1	1		1	2		2			5	24				Christian Home & Inf't Asy.
8th,				1			1	2		6	3		15	49				Episcopal Orphan Home
"																		Biddle Infant and Lying-in Hospital
9th,				2				2	1	1			6	31				Colored Orphan Asylum
10th,			4	2			1	1		7		1	16	28				Pius Hospital
11th,							1	4		1	1		8	31				German Cath. Orphan Asy.
"																		Alexian Brothers' Hospital
"																		U. S. Marine Hospital
"																		Memorial Home
"																		Ev. Lutheran Hospital
"																		Home of the Friendless
"																		Workhouse
"																		Home of Aged and Infirm Israelites
12th,			1							2	1		5	18				Convent Sacred Heart
"																		White Cross Home
13th,								3	1	1			5	25				St. Joseph's Convent
14th,							1			1			3	19				Visitation Convent
"																		
15th,					1			2		3	1	1	8	33				Protestant Hospital
16th,							1			5	1		7	20				St. Luke's Hospital
17th,							3	3	1	2			9	24				St. John's Hospital
"																		Loretta Convent
18th,				1				2			2		5	20				Home Little Sisters of the Poor
19th,				1				1					2	13				Children's Hospital
"																		House of Good Shepherd
"																		Beaumont Hospital
20th,				1				3		2	2		8	16				St. Joseph's Orphan Asy'm
"																		St. Philomena's Convent
21st,					1					2			3	23				St. Mary's Infirmary
"																		
22d,				1		1				2			4	20				Poly-Clinic Hospital
"																		Martha Parson's Hospital
23d,				2				2		1	1	2	8	58				Ursuline Convent
"																		City Hospital
"																		Baptist Orphans' Home
24th,				1			2	2		2			7	50				St. L. Mullanphy Hospital
"																		Good Samaritan Hospital
"																		
25th,						1		1		2	2		6	23				Mo. Pac. R'y Hospital
"																		
26th,							1			4	1		6	22				Protestant Orphan Asylum
"																		O'Fallon Park Sanitarium
27th,							2	1		6	3	2	14	38				Poor House
"																		Insane Asylum
"																		Female Hospital
28th,								2		3	2		7	32				Baptist Sanitarium
"																		
Totals,	6	13	3	3	3	16	35	3	71	25	7	161	741		TOTAL			

COMPARATIVE MORTALITY, FIRST QUARTER, 1891, And Deaths from the Seven Principal Zymotic Diseases.													
	Estimated Population.	Total Deaths.	Annual rate per 1,000.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid Fever.	Diarrhoeal Diseases.			
Baltimore.....	434,439	2,211	20.5	7	9	74	37	26	1				
Boston.....	448,477	2,442	22.2	12	21	47	7	23	1				
Brooklyn.....	853,945	4,856	22.8	79	153	228	61	26	37				
Chicago.....	1,200,000	7,319	24.7	102	160	258	64	199	89				
Cincinnati.....	300,000	1,564	20.8	2	9	69	2	42	21				
New Orleans.....	254,000	1,761	28.1	23	1	15	1	8	67				
New York.....	1,667,948	10,101	24.3	238	309	354	129	42	156				
Philadelphia.....	1,069,264	5,513	20.8	6	71	149	26	196	57				
San Francisco.....	330,000	1,789	21.7	2	125	4	29	9	9				
St. Louis.....	460,000	2,261	19.6	18	28	67	20	17	15				

* BIRTHS REPORTED DURING THE MONTH ENDING AUGUST 31, 1891.														
TOTAL.	Color.		Sex.		NATIVITY OF PARENTS.								Name of Child.	
	White.	Colored.	Male.	Female.	Not stated.	Foreign.	Native.	Foreign, Father only.	Foreign, Mother only.	Nativity of Father Stated Only.	Nativity of Mother Stated Only.	Not stated.	Stated.	Not Stated.
1,041	1,000	41	552	489	.....	281	430	184	83	5	8	5	12	33
													927	114

* Still-births reported during the month ending August 31, 1891.....78.	
NATIVITY OF DECEASED.	
St. Louis.....	324
Missouri.....	30
Other parts of the United States.....	162
Canada.....	4
England.....	12
Scotland.....	1
Wales.....	.....
Ireland.....	43
Germany.....	113
France.....	3
Switzerland.....	9
Austrian Empire.....	4
Sweden and Norway.....	2
Russia.....	2
Netherlands.....	.....
Denmark.....	1
Italy.....	1
Other Foreign Countries.....	8
Unknown.....	22
Total.....	741

* The returns of births are incomplete.
* Still-births are not included in the mortality.

COMPARATIVE MORTALITY, FIRST QUARTER, 1891,
And Deaths from the Seven Principal Zymotic Diseases.

	Estimated Population.	Total Deaths.	Annual rate per 1,000.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid Fever.	Diarrhoeal Diseases
Baltimore.....	434,439	2,211	20.5	7	9	74	37	26	17	
Boston.....	448,477	2,442	22.2	12	21	47	7	23	19	
Brooklyn.....	853,945	4,856	22.8	79	153	228	61	26	37	
Chicago.....	1,200,000	7,319	24.7	102	160	258	64	199	89	
Cincinnati.....	300,000	1,564	20.8	2	9	69	2	42	21	
New Orleans.....	254,000	1,761	28.1	23	1	15	1	8	67	
New York.....	1,667,948	10,101	24.3	238	309	354	129	42	156	
Philadelphia.....	1,069,264	5,513	20.8	6	71	149	26	196	57	
San Francisco.....	330,000	1,789	21.7	2	125	4	29	9		
St. Louis.....	460,000	2,261	19.6	18	28	67	20	17	15	

* BIRTHS REPORTED DURING THE MONTH ENDING
AUGUST 31, 1891.

1,041	TOTAL.	Color.	Sex.	NATIVITY OF PARENTS.										Name of Child.																	
				1,000	White.	41	Colored.	552	Male.	489	Female.	Not stated.	281	Foreign.	430	Native.	184	Foreign, Father only.	83	Foreign, Mother only.	5	Native.	8	Foreign.	5	Native.	12	Foreign.	33	Not stated.	927	Stated.	114	Not Stated.

* Still-births reported during the month ending
August 31, 1891.....78.

NATIVITY OF DECEASED.

St. Louis.....	324
Missouri.....	30
Other parts of the United States.....	162
Canada.....	4
England.....	12
Scotland.....	1
Wales.....	.....
Ireland.....	43
Germany.....	113
France.....	3
Switzerland.....	9
Austrian Empire.....	4
Sweden and Norway.....	2
Russia.....	2
Netherlands.....	.....
Denmark.....	1
Italy.....	1
Other Foreign Countries.....	8
Unknown.....	22
Total.....	741

* The returns of births are incomplete.

* Still-births are not included in the mortality.

During the month ending August 31, 1891, thirty two burial certificates were issued for deaths occurring outside of the city limits, but are not included in the yearly mortality.

Total Death
 Total Zymo
 Total Const
 Total Local
 Total Devel
 Deaths by
 Unknown.
 Small-pox
 Measles....
 Scarlatina.
 Diphtheria
 Croup.....
 Whooping
 Typhoid Fe
 Typhus Fe
 Cerebro-Sp
 Remittent,
 gestive an
 Puerperal
 Diarrhœal
 Erysipelas.
 Pyæmia and
 Syphilis....
 Rheumatism
 Alcoholism
 Other Zymo
 Cancer and
 Phthisis and
 Marasmus -
 Hydroceph
 Other Const
 Bronchitis.
 Pneumonia
 Other Disea
 Diseases of
 Meningitis
 Convulsion
 Heat Strok
 Apoplexy..
 Other Disea
 Cirrhosis o
 Enteritis, G
 tritis.....
 Bright's Di
 Other Dise
 Diseases G
 Diseases of
 Diseases of
 Other Loca
 Cyanosis...
 Inanition..
 Premature
 Puerperal
 Fever)....
 Senility....
 Other Devel
 Surgical Op
 Deaths by
 Deaths by
 Deaths by
 Execution
 Unknown.

WARDS.

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Totals..

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TABLE NO. 20—181.

DEATHS FROM ZYMOTIC DISEASES.—Deaths from Small-Pox,* Measles, Scarletina, Diphtheria, Croup, Whooping Cough, Typhoid Fever, Malarial Fevers, Puerperal Fever, Diarrhoeal Diseases, and other Zymotic Diseases.														COMPARATIVE MORTALITY, FIRST QUARTER, 1891, And deaths from the 7 principal Zymotic Diseases.													
For the month ending September 30, 1891.														TOTAL NUMBER OF DEATHS IN DIFFERENT INSTITUTIONS FOR THE MONTH ENDING SEPT. 30, 1891.													
WARDS.	Small-Pox.*	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Typhoid Fever.	Malarial Fevers.	Puerperal Fever.	Diarrhoeal Diseases Under Five Years.	Diarrhoeal Diseases Other Ages.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.	TOTAL DEATHS FROM ALL CAUSES.	TOTAL IN INSTITUTIONS.	Estimated Population.	Total Deaths.	Annual rate per 1,000.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid Fever.	Diarrhoeal Diseases.		
1st,			1					1		3			5	18	City Dispensary	Baltimore.....	434,439	2,211	20.5	7	9	74	37	26	1		
2d,			1										1	10		Boston.....	448,477	2,442	22.2	12	21	47	7	23	19		
3d,										1			1	21		Brooklyn.....	853,945	4,856	22.8	79	153	228	61	26	37		
4th,				1				2					6	17		Chicago.....	1,200,000	7,319	24.7	102	160	258	64	199	89		
5th,										3			5	23		Cincinnati.....	300,000	1,564	20.8	2	9	69	2	42	21		
6th,			1	1	2			1		2		1	9	26		New Orleans.....	254,000	1,761	28.1	23	1	15	1	8	67		
7th,			1		1			1		8		1	12	39		New York.....	1,667,948	10,101	24.3	238	309	354	129	42	156		
8th,									2	4		1	7	40		Philadelphia.....	1,069,264	5,513	20.8	6	71	149	26	196	57		
9th,																San Francisco.....	330,000	1,789	21.7		2	125	4	29	9		
10th,			1	1				1					5	24		St. Louis.....	460,000	2,261	19.6	18	28	67	20	17	15		
11th,				2				1			1	1	7	38	Christian Home & Inf't Asy. Episcopal Orphan Home Biddle Infant and Lying-in Hospital												
"															Colored Orphan Asylum Plus Hospital												
"															German Cath. Orphan Asy. Alexian Brothers' Hospital												
"															U. S. Marine Hospital. Memorial Home.												
"															Ev. Lutheran Hospital. Home of the Friendless												
"															House of Refuge. Home of Aged and Infirm Israelites.												
12th,			1					1		2			4	14	Academy Sacred Heart White Cross Home												
"															St. Joseph's Convent. Visitation Convent.												
13th,																											
14th,																											
15th,																											
16th,																											
17th,																											
"																											
"																											
18th,				1								1	2	25	Protestant Hospital. St. Luke's Hospital. St. John's Hospital. Loretta Convent.												
19th,															Home Little Sisters of the Poor. Children's Hospital. House of Good Shepherd.												
"															Beaumont Hospital												
"															St. Joseph's Orphan Asylum												
20th,			1	1							1		3	13	St. Philomena's Convent												
"																											
21st,				1				2	1	2	1		7	29	St. Mary's Infirmary												
22d,				1				1					2	9	Poly-Clinic Hospital. Augusta Free Hospital.												
"																											
23d,				1				6	1	3	2	3	16	78	Ursuline Convent. City Hospital.												
"															Baptist Orphans' Home. Carmelite Convent.												
"															St. L. Mullanphy Hospital. Good Samaritan Hospital.												
24th,																											
"																											
25th,				2		1		3		2		3	11	32	Mo. Pac. R'y Hospital												
"																											
26th,				1				2	1	3			7	31	Protestant Orphan Asylum O'Fallon Park Sanitarium.												
"															Poor House Insane Asylum.												
27th,					1			2	1	11	1	3	19	61	Female Hospital. Baptist Sanitarium.												
"																											
28th,								2	2	2			6	27													
Totals..	* 1	5	15	4	1	32	23	56	13	18	168	738	15	TOTAL													

*BIRTHS REPORTED DURING THE MONTH ENDING SEPTEMBER 30, 1891.																		
Color.	Sex.	NATIVITY OF PARENTS.								Name of Child.								
		White.	Colored.	Male.	Female.	Not Stated.	Foreign.	Native.	Foreign, Father only.		Foreign, Mother only.	Nativity of Father Stated Only.	Nativity of Mother Stated Only.					
TOTAL.		968	936	32	483	485	.....	277	386	174	79	3	8	4	11	26	866	102
</																		

*The returns of births are incomplete.

*Still-births are not included in the mortality.

*Two cases of small pox occurred in the city and were removed to the Quarantine and Small-pox Hospital, six miles outside of the city. Both cases recovered.

During the month ending September 30, 1891, twenty-one burial certificates were issued for deaths occurring outside of the city limits, but are not included in the yearly mortality.

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Total Death
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Total Local
Total Devel
Deaths by V
Unknown..

Small Pox .
Measles.....
Scarlatina..
Diphtheria.
Croup.
Whooping C
Typhoid Fev
Typhus Fev
Cerebro-Spi
Remittent, I
gestive an
Puerperal F

Diarrhœal D
Erysipelas .
Pyæmia and
Syphilis. ...
Rheumatism
Alcoholism.
Other Zymo

Cancer and
Phthisis and
Marasmus
Hydroceph
Other Const

Bronchitis..
Pneumonia..
Other Disea
Diseases of
Meningitis
Convulsions
Heat Stroke
Apoplexy..
Other Disea
Cirrhosis of
Enteritis, G
tritis.....
Bright's Dis
Other Disea
Diseases Ge
Diseases of
Diseases of
Other Local

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Inanition..
Premature I
Puerperal I
Fever)....
Senility....
Other Deve

Surgical Op
Deaths by S
Deaths by H
Deaths by A

MORTALITY FOR THE MONTH ENDING OCTOBER 31, 1890 — 647.
MORTALITY FOR THE MONTH ENDING SEPTEMBER 30, 1891 — 738.

TABLE SHOWING THE REPORTED MORTALITY FOR THE MONTH ENDING OCTOBER 31, 1891.

The annual death rate per 1,000 during the month, estimated population being 460,000, was 19.17. During the month there were 735 deaths, 3 less than the previous month.

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Totals

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TABLE No. 22 — 1891.

DEATHS FROM ZYMOTIC DISEASES.—Deaths from Small-Pox,* Measles, Scarlatina, Diphtheria, Croup, Whooping Cough, Typhoid Fever, Malarial Fevers, Puerperal Fever, Diarrhoeal Diseases, and other Zymotic Diseases.														COMPARATIVE MORTALITY, FIRST QUARTER, 1891, And Deaths from the Seven Principal Zymotic Diseases.									
For the month ending October 31, 1891.																							
WARDS.	Small-Pox.*	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Typhoid Fever.	Malarial Fevers.	Puerperal Fever.	Diarrhoeal Diseases Under Five Years.	Diarrhoeal Diseases Other Ages.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.	Estimated Population.	Total Deaths.	Annual rate per 1,000.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid Fever.	Diarrhoeal Diseases.
TOTAL DEATHS FROM ALL CAUSES.	TOTAL NUMBER OF DEATHS IN DIFFERENT INSTITUTIONS FOR THE MONTH ENDING OCTOBER 31, 1891.													TOTAL IN INSTITUTIONS.									
1st, 2d, 3d, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22d, 23d, 24th, 25th, 26th, 27th, 28th, Totals,																							
City Dispensary														434,439	2,211	20.5	7	9	74	37	26	17	
St. Vincent's														448,477	2,442	22.2	12	21	47	7	23	19	
Christian Home & Inf't Asy.														853,945	4,856	22.8	79	153	228	61	26	37	
Episcopal Orphan Home														1,200,000	7,319	24.7	102	160	258	64	199	89	
Biddle Infant and Lying-in Hospital.														300,000	1,564	20.8	2	9	69	2	42	21	
St. Mary's Asylum														254,000	1,761	28.1	23	1	15	1	8	67	
Colored Orphan Asylum.														1,667,948	10,101	24.3	238	309	354	129	42	156	
Pius Hospital.														1,069,264	5,513	20.8	6	71	149	26	196	57	
German Cath. Orphan Asy.														330,000	1,789	21.7	18	28	67	20	17	15	
Alexian Brothers' Hospital																							
U. S. Marine Hospital.																							
Memorial Home																							
Ev. Lutheran Hospital.																							
Home of the Friendless.																							
Workhouse.																							
Home of Aged and Infirm Israelites.																							
Convent Sacred Heart.																							
White Cross Home.																							
St. Joseph's Convent																							
Visitation Convent																							
Protestant Hospital																							
St. Luke's Hospital.																							
St. John's Hospital.																							
Loretta Convent																							
Home Little Sisters of the Poor.																							
Children's Hospital																							
House of Good Shepherd.																							
Beaumont Hospital.																							
St. Joseph's Orphan Asy'm																							
St. Philomena's Convent.																							
St. Mary's Infirmary																							
Poly-Clinic Hospital.																							
Martha Parson's Hospital.																							
Ursuline Convent.																							
City Hospital.																							
Baptist Orphans' Home																							
Carmelite Convent.																							
St. L. Mullanphy Hospital.																							
Good Samaritan Hospital.																							
Mo. Pac. R'y Hospital.																							
Protestant Orphan Asylum																							
O'Fallon Park Sanitarium.																							
Poor House.																							
Insane Asylum.																							
Female Hospital.																							
Baptist Sanitarium.																							
Masonic Home.																							
TOTAL.	1	7	34	19	2	26	23	2	12	13	21	160	735	147									

* Still-births reported during the month ending October 31, 1891.....72.

NATIVITY OF DECEASED.

Color.	Sex.	NATIVITY OF PARENTS.								Name of Child.
White.	Colored.	Male.	Female.	Not stated.	Foreign.	Native.	Foreign, Father only.	Foreign, Mother only.	Nativity of Father Stated Only.	Nativity of Mother Stated Only.
1,035	32	552	515	289	452	193	80	5	6
5	6	5	7	30	946	121				
St. Louis										286
Missouri										33
Other parts of the United States										177
Canada										3
England										9
Scotland										5
Wales										
Ireland										59
Germany										108
France										1
Switzerland										6
Austrian Empire										5
Sweden and Norway										3
Russia										2
Netherlands										
Denmark										
Italy										1
Other Foreign Countries										10
Unknown										27
Total										735

* The returns of births are incomplete.

* Still-births are not included in the mortality.

*Two cases of small pox occurred in the city and were removed to the Quarantine and Small Pox Hospital, six miles outside of the city. Both cases recovered.
During the month ending October 31, 1891, twenty two burial certificates were issued for deaths occurring outside of the city limits, but are not included in the yearly mortality.

Total Deaths
 Total Zymotic
 Total Contagious
 Total Local
 Total Deaths by
 Unknown
 Small-pox
 Measles...
 Scarlatina
 Diphtheria
 Croup...
 Whooping
 Typhoid Fever
 Typhus Fever
 Cerebro-Spinal
 Remittent
 Gestive and
 Puerperal
 Diarrhoeal
 Erysipelas
 Pyæmia and
 Syphilis...
 Rheumatism
 Alcoholism
 Other Zymotic
 Cancer and
 Phthisis and
 Marasmus
 Hydrocephalus
 Other Contagious
 Bronchitis
 Pneumonia
 Other Diseases
 Diseases of
 Meningitis
 Convulsions
 Heat Stroke
 Apoplexy
 Other Diseases
 Cirrhosis of
 Enteritis, Colitis
 Bright's Disease
 Other Diseases
 Diseases of
 Diseases of
 Diseases of
 Other Local
 Cyanosis...
 Inanition
 Premature
 Puerperal
 Fever...
 Senility...
 Other Deaths
 Surgical Operations
 Deaths by
 Deaths by
 Deaths by
 Execution
 Unknown.

The annual death rate per 1,000 during the month, estimated population being 460,000, was 18.15. During the month there were 696 deaths, 39 less than the previous month.

[illegible]

WARDS.	Small Pox
1st,	..
2d,	..
3d,	..
4th,	..
5th,	..
"	..
6th,	..
7th,	..
"	..
8th,	..
"	..
"	..
9th,	..
10th,	..
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11th,	..
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20th,	..
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21st,	..
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22d,	..
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23d,	..
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24th,	..
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25th,	..
"	..
26th,	..
"	..
27th,	..
"	..
"	..
"	..
28th,	..
"	..
"	..
Totals..	*

During
yearly mo

TABLE NO. 24—1891

WARDS.	DEATHS FROM ZYMOTIC DISEASES.—Deaths from Small-Pox,* Measles, Scarlatina, Diphtheria, Croup, Whooping Cough, Typhoid Fever, Malarial Fevers, Puerperal Fever, Diarrheal Diseases, and other Zymotic Diseases.													TOTAL DEATHS FROM ALL CAUSES.	TOTAL NUMBER OF DEATHS IN DIFFERENT INSTITUTIONS FOR THE MONTH ENDING NOV. 30, 1891.	TOTAL IN INSTITUTIONS.	
	For the month ending November 30, 1891.																
	Small-Pox.*	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Typhoid Fever.	Malarial Fevers.	Puerperal Fever.	Diarrheal Diseases Under Five Years.	Diarrheal Diseases other Ages.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.				
1st,				1			1					1	3	12	City Dispensary		
2d,													1	16			
3d,													1	21			
4th,													1	10			
5th,				1	1				1				3	28	St. Vincent's	2	
6th,			1	2	2			2				1	8	36			
7th,				1	1		1						3	31	Christian Home & Inf't Asy.	10	
8th,			2	1							1		4	28	Episcopal Orphan Home		
9th,															Biddle Infant and Lying-in Hospital	9	
10th,				1	2							1	6	35	St. Mary's Asylum		
11th,			3	2									3	34	Colored Orphan Asylum		
12th,															Plus Hospital	5	
13th,															German Cath. Orphan Asy.		
14th,									1				6	27	Alexian Brothers' Hospital	9	
15th,															U. S. Marine Hospital.		
16th,															Memorial Home.		
17th,															Ev. Lutheran Hospital.	1	
18th,															Home of the Friendless		
19th,															House of Refuge		
20th,															Home of Aged and Infirm Israelites.		
21st,															Academy Sacred Heart		
22d,			2	1						2		1	6	16	White Cross Home		
23d,			1									1	4	16	St. Joseph's Convent.		
24th,			3	2				2	1			1	7	28	Visitation Convent.		
25th,									1				1	22			
26th,				1	1				1				3	18	Protestant Hospital.	4	
27th,				3			2	1					6	37	St. Luke's Hospital.	3	
28th,															St. John's Hospital.	6	
29th,															Loretta Convent		
30th,				4	2		1	2					9	26	Home Little Sisters of the Poor	4	
31st,			2		2							1	5	31	Children's Hospital.	2	
32d,															House of Good Shepherd.		
33d,															Beaumont Hospital		
34th,															St. Joseph's Orphan Asylum		
35th,														11	St. Philomena's Convent.		
36th,				1	1		2	1				1	6	20	St. Mary's Infirmary.	3	
37d,								2					2	12	Poly-Clinic Hospital.		
38th,															Augusta Free Hospital.		
39th,												2	9	59	Ursuline Convent.		
40th,			1	1	1		4								City Hospital.	35	
41st,															Baptist Orphans' Home		
42nd,															Carmelite Convent.		
43rd,								2				1	3	20	St. L. Mullanphy Hospital.	1	
44th,															Good Samaritan Hospital.	2	
45th,														14	Mo. Pac. R'y Hospital	2	
46th,					2			1					3	15	Protestant Orphan Asylum		
47th,						1					1	2	4	43	O'Fallon Park Sanitarium.	1	
48th,															Poor House	15	
49th,															Insane Asylum.	4	
50th,															Female Hospital.	15	
51st,														30	Baptist Sanitarium.		
52nd,																	
53rd,																	
54th,																	
55th,																	
56th,																	
57th,																	
58th,																	
59th,																	
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91st,																	
92nd,																	
93rd,																	
94th,																	
95th,																	
96th,																	
97th,																	
98th,																	
99th,																	
100th,																	
Totals..	*	15	23	15	1	11	22	2	2	3	13	107	696		TOTAL	134	

COMPARATIVE MORTALITY, FIRST QUARTER, 1891,
And deaths from the 7 principal Zymotic Diseases.

	Estimated Population.	Total Deaths.	Annual rate per 1,000.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid Fever.	Diarrhoeal Diseases.
Baltimore.....	434,439	2,211	20.5	7	9	74	37	26	17	
Boston.....	448,477	2,442	22.3	12	21	47	7	23	19	
Brooklyn.....	853,945	4,856	22.8	79	153	228	61	26	37	
Chicago.....	1,200,000	7,319	24.7	102	160	258	64	199	89	
Cincinnati.....	300,000	1,564	20.8	2	9	69	2	42	21	
New Orleans.....	254,000	1,761	28.1	23	1	15	1	8	67	
New York.....	1,667,948	10,101	24.3	238	309	354	129	42	156	
Philadelphia.....	1,069,264	5,513	20.8	6	71	149	26	198	57	
San Francisco.....	330,000	1,789	21.7	1	2	125	4	29	9	
St. Louis.....	460,000	2,261	19.6	18	28	67	20	17	15	

*BIRTHS REPORTED DURING THE MONTH ENDING
NOVEMBER 30, 1891.

900 TOTAL.	Color.	Sex.	NATIVITY OF PARENTS.								Name of Child.
			Nativity of Father Stated Only.		Nativity of Mother Stated Only.		Not Stated.				
866	White.										
34	Colored.										
488	Male.										
412	Female.										
.....	Not Stated.										
243	Foreign.										
376	Native.										
171	Foreign, Father only.										
67	Foreign, Mother only.										
4	Native.										
6	Foreign.										
4	Native.										
6	Foreign.										
23	Not Stated.										
796	Stated.										
104	Not Stated.										

*Still-births reported during the month ending
November 30, 1891.....74.
NATIVITY OF DECEASED.

St. Louis.....	279
Missouri.....	22
Other parts of the United States.....	159
Canada.....	6
England.....	21
Scotland.....	3
Wales.....	63
Ireland.....	103
Germany.....	1
France.....	2
Switzerland.....	6
Austrian Empire.....	1
Sweden and Norway.....	2
Russia.....	2
Netherlands.....	2
Denmark.....	2
Italy.....	6
Other Foreign Countries.....	18
Unknown.....	
Total.....	696

*The returns of births are incomplete.

*Still-births are not included in the mortality.

During the month ending November 30, 1891, twenty-nine burial certificates were issued for deaths occurring outside of the city limits, but are not included in the yearly mortality.

Total Deaths
 Total Zymot
 Total Consti
 Total Local
 Total Develo
 Deaths by V
 Unknown..
 Small-Pox..
 Measles.....
 Scarlatina..
 Diphtheria..
 Croup.....
 Whooping C
 Typhoid Fev
 Typhus Fev
 Cerebro-Spi
 Remittent, I
 gestive and
 Puerperal F
 Diarrhoeal D
 Erysipelas..
 Pyæmia and
 Syphilis.....
 Rheumatism
 Alcoholism..
 Other Zymot
 Cancer and
 Phthisis and
 Marasmus -
 Hydrocephal
 Other Const
 Bronchitis..
 Pneumonia..
 Other Disea
 Diseases of
 Meningitis a
 Convulsions
 Great Stroke
 Apoplexy..
 Other Disea
 Cirrhosis of
 Enteritis, G
 tritis.....
 Bright's Dis
 Other Disea
 Diseases Ge
 Diseases of
 Diseases of
 Other Local
 Cyanosis...
 Inanition..
 Premature I
 Puerperal I
 Fever)....
 Senility.....
 Other Devel
 Surgical Op
 Deaths by S
 Deaths by H
 Deaths by A
 Execution b

MORTALITY FOR THE YEAR ENDING DECEMBER 31, 1889 — 8004.

MORTALITY FOR THE YEAR ENDING DECEMBER 31, 1890 — 8409.

TABLE SHOWING THE REPORTED MORTALITY FOR THE YEAR ENDING DECEMBER 31, 1891.

The annual death rate per 1,000 during the year, estimated population being 460,000, was 20.71. During the year there were 9,530 deaths, 1,121 more than the previous year.

CAUSES OF DEATH.	Total deaths reported during the year ending Dec. 31, 1891.	Total deaths reported during the year ending Dec. 31, 1890.	AGES BY YEARS.																									SEX.	Social Relations.	COLOR.		TOTAL.
			Under 1 year.																			70 and over.										
			1 to 2.	2 to 3.	3 to 4.	4 to 5.	White.	Colored.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.		Male.	Female.	Married.	Single.	White.	Colored.				
Total Deaths from all Causes.....	9530	8409	2290	587	272	197	156	3129	364	318	147	310	542	498	475	454	423	449	449	395	450	328	802	5254	4276	3998	5532	8531	999	9530		
Total Zymotic Diseases.....	1709	1547	453	174	92	109	90	857	61	147	48	80	96	66	65	53	41	49	49	24	27	20	28	885	824	345	1364	1576	133	1709		
Total Constitutional Diseases.....	1629	1635	318	71	16	10	5	376	44	17	17	83	183	171	134	113	108	91	82	56	73	41	47	861	768	700	929	1397	232	1629		
Total Local Diseases.....	4522	3781	970	318	153	64	50	1356	199	129	52	99	167	179	198	216	230	251	281	271	293	213	392	2579	1943	2185	2337	4025	497	4522		
Total Developmental Diseases.....	1153	969	594	18	1		2	491	55	1	1	12	24	26	23	16	12	22	15	22	52	43	329	532	621	529	624	1057	96	1153		
Deaths by Violence.....	517	476	15	6	10	5	9	39	6	24	29	36	72	56	55	46	32	36	22	22	15	11	16	397	120	239	278	476	41	517		
Unknown.....		1																														
Small-Pox.....																																
Measles.....	53	1	13	21	5	5	3	43	4	5	1												29	24		53	49	4	53			
Scarlatina.....	96	87	10	12	9	20	16	67		22	3	2	1		1								52	44	1	95	95	1	96			
Diphtheria.....	250	186	13	26	42	44	45	166	4	67	10	1	1	1									132	118	1	249	242	8	250			
Croup.....	90	58	11	19	12	20	11	70	3	15	2												47	43		90	88	2	90			
Whooping Cough.....	61	31	39	10	5	4		45	13	3													37	24		61	45	16	61			
Typhoid Fever.....	165	140		1	1	1	1	1	2	9	11	31	39	20	13	6	4	7	3	1	1		1	77	88	59	106	153	12	165		
Typhus Fever.....																																
Cerebro-Spinal Fever.....	10	12	4	1		1		5	1		2	1	1										6	4	2	8	8	2	10			
Remittent, Intermittent, Typho-Malarial, Con- gestive and Simple Continued Fevers.....	216	226	13	10	5	6	2	33	3	14	13	30	16	12	20	15	13	7	7	10	10	4	9	109	107	95	121	190	26	216		
Puerperal Fever.....	20	34											1	9	3	6		1						20	20		18	2	20			
Diarrhoeal Diseases { Under 5 years.....	429	435	332	73	9	6	6	403	26															211	218		429	403	26	429		
Diarrhoeal Diseases { Others ages.....	118	104							5	1	4	8	7	10	7	7	16	17	8	6	8	12	73	45	77	41	110	8	118			
Erysipelas.....	30	16	7	1				8				1	1	2	3	3	2	1	1	1	4	3	15	15	18	12	30		30			
Pyæmia and Septicæmia.....	45	51	2				4	6		2	1	3	8	2	4	4	3	3	7		2		23	22	26	19	43	2	45			
Syphilis.....	27	34	8	1	1	1		7	4			1	2	4	3	3		1			2		7	20	9	18	20	7	27			
Rheumatism and Gout.....	33	25	1			1	1	2	1	5	3			2	1	1	3		6		7	1	1	15	18	19	14	27	6	33		
Alcoholism.....	66	48											6	9	6	11	9	11	9	3			1	44	22	33	33	58	8	66		
Other Zymotic Diseases.....		59																														
Cancer and Malignant Tumor.....	275	263	1		2		3			1	1	3	5	10	16	19	27	34	38	33	34	25	26	115	160	226	49	255	20	275		
Phthisis and Tuberculosis Pulmonalis.....	869	843	1	7	2	2	3	9	6	3	10	71	167	154	115	87	77	51	40	19	25	15	18	495	374	444	425	710	159	869		
Marasmus — Tabes Mesenterica and Scrofula.....	345	336	274	47	10	3	1	303	32	3	1	2	2	1	1									170	175	4	341	310	35	345		
Hydrocephalus, Tubercular Meningitis, etc.....	62	74	30	14	3	2	1	48	2	5	2	3			1				1					35	27		62	59	3	62		
Other Constitutional Diseases.....	78	119	12	3	1	1		13	4	4	3	7	9	6	4	6	4	5	3	2	3	2	3	46	32	25	53	63	15	78		
Bronchitis.....	481	332	137	73	42	13	8	209	64	9		3	9	9	7	4	5	11	18	30	23	22	58	248	233	174	307	405	76	481		
Pneumonia.....	932	601	135	104	42	15	16	251	51	37	9	16	48	38	42	48	63	61	60	45	53	31	69	533	399	435	497	811	121	932		
Other Diseases Respiratory Organs.....	369	267	69	16	9	6	3	94	9	17	3	7	10	20	12	16	18	26	21	21	32	25	38	218	151	211	158	336	33	369		
Diseases of the Circulatory System.....	504	469	11	3	5	3	1	21	2	10	11	20	17	25	34	38	38	39	52	45	65	31	56	266	238	378	126	437	67	504		
Meningitis and Encephalitis.....	224	207	94	38	19	8	8	159	8	18	2	6	12	2	6	4	2	1	3				1	122	102	17	207	211	13	224		
Convulsions and Trismus.....	414	444	351	33	13	2	3	357	45	6	3				1								1	238	176	2	412	366	48	414		
Heat Stroke.....	51		5	2	1	1	1	6	4	2		1	2	1	1	2	1	3	1	4	6	4	13	20	31	37	14	42	9	51		
Apoplexy.....	143	132									1	2	3	3	2	8	5	16	18	20	21	16	28	86	57	121	22	132	11	143		
Other Diseases of the Brain and Nervous System.....	431	399	67	29	8	9	5	112	6	8	7	10	14	17	23	28	25	25	27	36	24	20	49	245	186	231	200	396	35	431		
Cirrhosis of Liver and Hepatitis.....	163	179	1	1	1			3		1	2		1	5	8	17	17	16	14	15	26	13	12	13	114	49	123	40	163	10	163	
Enteritis, Gastro-Enteritis, Peritonitis and Gas- tritis.....	275	230	70	15	8	3	3	92	7	10	8	13	13	13	12	12	19	12	12	12	12	14	14	149	126	116	159	249	26	275		
Bright's Disease and Nephritis.....	279	253	5	1	1	3	1	10	1	7	5	5	9	15	23	23	21	30	38	19	28	10	26	189	90	184	95	243	36	279		
Other Diseases Urinary Organs.....	20	26											1	2					2	1	3	2	8	16	4	18	2	18	2	20		
Diseases Generative Organs.....	13	10											4	1	2	1	1	1							13	11	2	11	2	13		
Diseases of the Locomotory Organs.....	1	4																	1					1		1		1		1		
Diseases of the Integument.....	9	10	3		2			5					1			1	1							6	3	3	7	9		9		
Other Local Diseases*.....	218	188	21	3	4	2	2	27	5	5	4		18	22	16	14	14	13	12	12	13	17	16	130	88	138	80	205	13	218		
Cyanosis.....	30	21	30																													

		Sr in Di
		*
W.A.	Smal	
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28th,	..	
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Totals,	*	

*During
During
in the year

DEATHS FROM ZYMOTIC DISEASES. — Deaths from Small-Pox,* Measles, Scarlatina, Diphtheria, Croup, Whooping Cough, Typhoid Fever, Malarial Fevers, Puerperal Fever, Diarrhoeal Diseases, and other Zymotic Diseases.

For the year ending December 31, 1891.

W.A.	Small Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Typhoid Fever.	Malarial Fevers.	Puerperal Fever.	Diarrhoeal Diseases Under Five Years.	Diarrhoeal Diseases Other Ages.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.	TOTAL DEATHS FROM ALL CAUSES.
1st,		1	1	1	1	2	4		16	2	12	40	218
2d,	2	2	1	1	1	1	3		4	1	5	18	166
3d,		5	5	2	2	2	5		17	4	1	33	247
4th,	4	2	5	1	2	2	5		14	5	4	47	191
5th,	3		5	3	6	2	2	2	12	3	4	40	330
6th,		4	13	14	1	4	15		18	1	7	77	364
7th,	4	3	15	7	4	7	15	1	47	5	5	113	457
8th,	4	9	14	2	1	4	9		33	6	7	89	477
9th,	7		18	11	1	5	5		16	4	5	73	376
10th,	3	6	13	3	4	9	4	1	20	3	10	65	366
11th,		3	8	8	1	9	13	2	13	5	7	70	431
12th,	1	7	11	3	1	2	4		12	3	11	55	289
13th,	1	3	2	1	1	2	11	1	7	3	5	37	230
14th,		6	7	1	2	6	7		15	7	6	57	291
15th,	3	5	5	2	1	3	15		8	1	7	50	263
16th,		6	5	1	1	3	2		14	2	2	36	197
17th,		3	5	1	4	10	11	2	16	4	9	65	363
18th,	2	3	18	5	1	3	7		5	7	2	53	299
19th,	1	6	7	5	8	2	2		9	3	4	47	270
20th,	4	2	5	2	1	2	5	1	7	4	3	36	196
21st,	3	2	10	4	3	11	4	1	9	3	8	58	318
22d,	2	4	7		1	3	8	1	3	1	5	34	221
23d,		3	27	4	10	28	8		16	10	33	141	845
24th,		6	3		2	12	7	1	10	5	7	52	399
25th,	5	6	11	2	3	4	14		13	2	8	68	354
26th,	3	1	10	6	2	9	10		21	5	2	69	342
27th,		5	8	3	5	7	9	2	31	12	24	107	632
28th,	2	2	8	2	3	4	11	1	21	5	9	68	384
Totals,	* 53	96	250	90	61	165	216	20	429	118	220	1709	9530

TOTAL NUMBER OF DEATHS IN DIFFERENT INSTITUTIONS FOR THE YEAR ENDING DECEMBER 31, 1891.

City Dispensary	153
Christian Home & Inf't Asy.	21
Episcopal Orphan Home	4
Biddle Infant and Lying-in Hospital	153
St. Mary's Asylum	5
Colored Orphan Asylum	20
Pius Hospital	121
German Cath. Orphan Asy.	21
Alexian Brothers' Hospital	4
U. S. Marine Hospital	9
Memorial Home	2
Ev. Lutheran Hospital	1
Home of the Friendless	1
Workhouse	1
Home of Aged and Infirm Israelites	1
Convent Sacred Heart	1
White Cross Home	1
St. Joseph's Convent	1
Visitation Convent	1
Protestant Hospital	5
St. Luke's Hospital	12
St. John's Hospital	12
Loretta Convent	1
Home Little Sisters of the Poor	54
Children's Hospital	1
House of Good Shepherd	1
Beaumont Hospital	1
St. Joseph's Orphan Asy'm	1
St. Philomena's Convent	54
St. Mary's Infirmary	1
Poly-Clinic Hospital	532
Martha Parson's Hospital	1
Ursuline Convent	5
City Hospital	532
Baptist Orphans' Home	8
Carmelite Convent	3
St. L. Mullanphy Hospital	64
Good Samaritan Hospital	37
Mo. Pac. R'y Hospital	35
Protestant Orphan Asylum	6
O'Fallon Park Sanitarium	117
Poor House	63
Insane Asylum	147
Female Hospital	2
Baptist Sanitarium	1
Masonic Home	1
TOTAL	1652

COMPARATIVE MORTALITY, YEAR 1891, And Deaths from the Seven Principal Zymotic Diseases.

	Estimated Population.	Total Deaths.	Annual rate per 1,000.	Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Typhoid.	Fever.	Diarrhoeal Diseases.
Baltimore	434,439	11,273	25.9		16	128	352	103	150		880
Boston	448,477	10,572	24.0		21	64	232	39	154		752
Brooklyn	853,945	21,095	24.5		203	454	753	148	182		3,000
Chicago	1,200,000	27,794	23.1		266	499	628	204	1997		1942
Cincinnati	300,000	7,628	25.4		12	75	278	16	188		403
New Orleans	254,000	6,842	27.3		49	3	60	8	66		780
New York	1,667,948	42,648	25.6	1	655	1192	1337	355	365		3512
Philadelphia	1,069,264	22,690	21.4	5	40	317	870	140	679		1539
San Francisco	330,000	6,325	19.1		13	9	298	4	122		163
St. Louis	460,000	9,530	20.7		53	96	250	61	165		547

* BIRTHS REPORTED DURING THE YEAR ENDING DECEMBER 31, 1891.

Color.	Sex.	NATIVITY OF PARENTS.										Name of Child.			
		Nativity of Father Stated Only.		Nativity of Mother Stated Only.		Not stated.									
White.	Colored.	Male.	Female.	Not stated.	Foreign.	Native.	Foreign, Father only.	Foreign, Mother only.	Native.	Foreign.	Native.	Foreign.	Not stated.	Stated.	Not Stated.
11,571	451	6,018	5,391	.....	3,245	4,812	2,047	925	46	85	50	87	312	10,322	1,287

* Still-births reported during the year ending December 31, 1891.....828.

NATIVITY OF DECEASED.

St. Louis	3,903
Missouri	394
Other parts of the United States	2,020
Canada	43
England	162
Scotland	36
Wales	9
Ireland	754
Germany	1,524
France	36
Switzerland	58
Austrian Empire	40
Sweden and Norway	21
Russia	24
Netherlands	2
Denmark	6
Italy	20
Other Foreign Countries	96
Unknown	282
Total	9,530

* The returns of births are incomplete.

* Still-births are not included in the mortality.

*During the year 1891 twenty-two cases of small pox occurred in the city and were removed to the Small Pox Hospital, six miles outside of the city.

During the year ending December 31, 1891, two hundred and seventy burial certificates were issued for deaths occurring outside of the city limits, but are not included in the yearly mortality.

TABLE No. 27.
SHOWING COMPARATIVE MORTALITY IN ST. LOUIS DURING THE PAST TWENTY-FIVE CALENDAR YEARS.

Year.	Population.	Total deaths.	Ann'l death rate per 1,000.	Deaths under five years.	Per cent. of total deaths.	Small-pox.	Measles.	Scarlatina.	Diphtheria.	Group.	Whooping cough.	Typhus and Typhoid Fever.	Diarrheal diseases (under five years).	Diarrheal diseases (other ages).	Total from foregoing causes.	Per cent. of total deaths.	Malarial Fevers.	Per cent. of total deaths.	Phtisis Pulmonum.	Per cent. of total deaths.	Pneumonia.	Per cent. of total deaths.	Still-births (not included in mortality).	No. of births reported.
1867	220,000	6,558	29.7	2,933	45.0	3	28	27	48	58	60	194	173	1,507	2,098	31.9	227	3.4	464	7.1	309	4.7	371	371
1868	230,000	5,193	22.5	2,532	49.7	...	8	28	35	44	26	294	400	512	1,356	26.1	127	2.4	503	9.6	371	7.1	411	411
1869	240,000	5,884	24.5	3,225	54.8	214	112	55	51	59	59	202	469	409	1,620	27.5	147	2.4	571	9.7	410	6.9	421	421
1870	250,000	6,670	26.6	3,449	51.7	375	32	263	75	92	97	269	371	531	2,108	31.6	180	2.7	620	9.2	350	5.2	407	407
1871	260,000	5,265	20.2	2,585	49.0	9	39	68	68	79	60	174	221	317	1,035	19.6	124	1.5	599	11.3	381	7.2	363	363
1872	270,000	8,047	29.8	4,058	50.4	1,591	57	47	76	66	70	176	456	549	3,025	37.5	124	1.5	568	7.0	382	4.7	630	630
1873	280,000	8,551	30.5	4,014	46.9	9	35	22	61	78	3	167	466	822	2,548	29.7	188	1.4	581	8.7	510	5.9	514	514
1874	290,000	6,506	22.4	3,433	52.7	447	51	87	56	53	58	131	460	295	1,638	25.1	212	2.8	740	9.8	413	6.3	510	510
1875	300,000	7,532	25.1	3,755	49.8	603	70	508	160	72	10	137	378	315	2,247	29.8	216	3.6	721	11.9	450	5.9	421	421
1876	310,000	6,019	19.4	2,840	47.1	90	55	124	167	157	54	103	314	248	1,312	21.6	216	3.6	686	12.1	427	7.6	467	467
1877	320,000	5,660	17.7	2,391	42.2	...	35	40	165	69	70	130	197	234	906	16.0	240	4.2	780	12.6	375	6.2	434	434
1878	330,000	6,002	18.2	2,635	43.2	...	25	39	156	85	46	74	238	213	883	14.7	279	4.6	781	12.6	432	7.1	541	541
1879	340,000	6,167	18.1	2,686	43.2	...	55	47	113	62	41	112	477	189	1,086	17.6	241	3.1	786	11.8	539	8.0	561	561
1880	350,000	6,636	18.9	2,937	44.2	...	27	108	157	68	61	191	686	195	1,498	17.8	241	3.6	813	10.8	475	6.0	668	668
1881	370,000	8,410	22.7	3,541	42.1	5	64	346	385	103	79	166	525	179	1,859	23.6	264	3.3	870	11.0	474	6.0	705	705
1882	400,000	7,845	19.6	3,454	44.0	12	62	29	349	553	44	158	531	136	1,933	24.3	270	3.3	944	11.5	501	6.8	709	709
1883	400,000	8,177	20.4	3,420	41.8	4	4	33	349	553	134	158	531	136	1,933	24.3	270	3.3	944	11.5	501	6.8	709	709
1884	400,000	7,887	19.7	3,357	42.1	...	54	161	425	116	32	166	582	130	1,649	20.9	261	3.3	888	11.8	511	6.8	725	725
1885	400,000	7,490	18.7	3,090	41.3	...	54	161	425	116	32	166	582	130	1,649	20.9	261	3.3	888	11.8	511	6.8	725	725
1886	400,000	8,268	20.6	3,434	41.5	...	6	149	719	160	76	124	334	97	1,665	20.1	279	3.3	945	11.0	497	6.0	765	765
1887	420,000	9,155	21.8	3,795	41.4	...	40	48	927	185	12	116	334	133	1,805	19.7	304	3.3	829	9.0	496	6.4	740	740
1888	440,000	9,015	20.9	3,659	40.5	...	31	30	564	167	44	133	488	144	1,552	15.6	223	2.7	800	8.8	598	7.34	835	835
1889	450,000	8,004	17.78	3,124	39.03	...	63	114	87	58	55	146	357	79	1,253	12.3	226	2.6	843	10.2	601	7.1	704	704
1890	460,000	8,409	18.45	3,115	37.04	...	53	96	186	90	61	165	429	118	1,262	13.2	216	2.2	860	9.1	532	9.7	828	828
1891	460,000	9,530	20.71	3,493	36.65	...	53	96	250	90	61	165	429	118	1,262	13.2	216	2.2	860	9.1	532	9.7	828	828

ANNUAL REPORT

OF THE

CHIEF DISPENSARY PHYSICIAN

For the Fiscal Year Ending March 31, 1892.

St. Louis, April 23, 1892.

Dr. W. N. Brennan, Health Commissioner:

SIR — I have the honor herewith to submit to your attention and official approval the annual report of the City Dispensary for the fiscal year ending March 31st, 1892. The appended statistical tables contain in as condensed a form as possible a record of the work accomplished, which exceeds in scope that of any previous year since my connection with its administration.

There were issued for the admission of sick and injured persons to the City Hospital by the Dispensary corps of physicians 8,249 permits; to the Female Hospital, 2,076 permits, and to the Small-Pox and Quarantine Hospitals 21 and 10 respectively.

The ambulance system attached to this office has maintained its high standard of public usefulness and efficiency, and accomplished a larger amount of work than any previous year since its introduction into the service; the records attest the fact that 6,835 requests for ambulance to remove sick and injured persons to their homes, or the various hospitals and asylums, both public and private, were responded to, and the distance traversed in so doing was no less than 31,135 1-7 miles.

Medical and surgical assistance was afforded by the Dispensary corps of physicians to 15,329 persons who applied to this office for relief; the year previous the number of applicants was 11,042, an increase of 4,287.

During the year one or two outbreaks of small-pox occurred in the city and twenty patients were removed to the small-pox hospital; three patients, Russian emigrants, within a few hours of their arrival in the city were detected to be suffering from typhus fever, were immediately transferred to the Quarantine hospital and all precautionary measures adopted to control a further propagation of that disease.

The health of the inmates of the city jail has been good; but few were transferred to the City Hospital and no deaths occurred.

The sanitary condition of that institution has been excellent, and is largely due to the vigilance and attention to hygienic laws displayed by Mr. J. H. Kraemer, the jailer, to whom I wish in this connection to tender my acknowledgments for many acts of official and personal attention.

My thanks are due to the corps of assistant dispensary physicians, Dr. Jacobson, Jordan and McMillan for the efficient and able assistance they individually and collectively rendered me in the discharge of the various responsibilities associated with my position.

The attendants at the Dispensary have been uniformly attentive and willing to respond to any extra duty when called upon.

In conclusion allow me to thank you for your official and personal attention since our association.

Respectfully submitted,

WARREN G. PRIEST,
Chief Dispensary Physician.

TABLE NO. 1.

REPORT OF SICK AND WOUNDED AT CITY DISPENSARY FOR THE YEAR ENDING
MARCH 31ST, 1892.

Abrasions.....	29	Diabetes.....	1
Abscesses.....	243	Diarrhœa.....	480
Acne.....	8	Diphtheria.....	8
Adenitis.....	55	Dislocations reduced.....	62
Alcoholism.....	101	Dysentery.....	78
Amenorrhœa.....	18	Dysmenorrhœa.....	5
Amputation.....	21	Eczema.....	117
Anæmia.....	65	Encephalitis.....	1
Anasarca.....	1	Endocarditis.....	3
Anchylosis.....	10	Endometritis.....	8
Angina pectoris.....	1	Enteralgia.....	54
Anorexia.....	7	Enteritis.....	126
Anthrax.....	14	Epididymitis.....	2
Aphasia.....	1	Epilepsy.....	73
Apoplexy.....	1	Epistaxis.....	9
Apthæ.....	6	Erysipelas.....	17
Arthritis.....	4	Erythema.....	9
Ascites.....	3	Excoriations.....	12
Asphyxia.....	1	Extraction of teeth.....	3
Asthma.....	122	Fecititis.....	1
Balanitis.....	1	Fever, intermittent.....	1,030
Bites of animals.....	135	“ malarial.....	706
“ insects.....	1	“ remittent.....	19
“ man.....	53	“ surgical.....	1
Bright's disease.....	5	“ typhoid.....	8
Bronchitis.....	1,776	Fissure of arms.....	12
Bronchocele.....	6	Foreign bodies removed.....	203
Broncho-pneumonia.....	5	Fractures.....	289
Burns.....	109	Frost bites.....	9
Bursitis.....	1	Furuncles.....	88
Cancer.....	3	Gastralgia.....	21
Carbuncle.....	2	Gastritis.....	121
Caries.....	14	Gastro-enteritis.....	134
Catarrh.....	4	Glossitis.....	6
Catalepsy.....	2	Habit, morphine.....	2
Cellulitis.....	49	Habit, quinine.....	1
Cephalagia.....	99	Hæmatemesis.....	1
Chlorosis.....	3	Hæmatoma.....	2
Chilblains.....	15	Hæmoptysis.....	21
Cholera infantum.....	8	Hæmorrhages.....	13
“ morbus.....	2	Hæmorrhoids.....	32
Choræ.....	22	Heart, organic disease of.....	82
Colica pictonum.....	11	“ functional disease of.....	21
Condylomata.....	1	Hepatitis.....	25
Concussion of brain.....	4	Hernia, inguinal.....	3
Congestion.....	1	Herpes.....	16
Conjunctivitis.....	27	Hysteria.....	6
Confinements.....	5	Hydrocele.....	2
Constipation.....	71	Hydrocephalus.....	2
Convulsions, infantile.....	3	Impetigo.....	1
Coryza.....	4	Inanition.....	4
Croup.....	2	Indigestion.....	262
Curvature of spine.....	2	Inflammations.....	58
Cystitis.....	126	Insolation.....	7
Debility, general.....	79	Insomnia.....	46
“ senile.....	3	La grippe.....	957
Dementia.....	14	Laryngitis.....	44
Dentition.....	12	Leucorrhœa.....	9
Dermatitis.....	11	Lumbago.....	83

Lymphangitis	24	Rubcola.....	16
Marasmus.....	8	Saturnismus	10
Meningitis.....	3	Scabies.....	35
Menorrhagia.....	4	Scalds.....	12
Metrorrhagia.....	35	Scarlatina.....	4
Metritis.....	17	Sciatica.....	12
Myalgia.....	10	Sclerosis.....	2
Necrosis.....	2	Scrofulosis.....	39
Nephritis.....	74	Septicæmia	1
Nervous prostration.....	7	Sprains.....	247
Neuralgia.....	191	Stomatitis	17
Neurasthenia	54	Synovitis	3
Odontalgia.....	3	Syphilis, primary.....	5
Oedema.....	33	“ secondary.....	1
Ophthalmia.....	11	“ tertiary.....	1
Orchitis.....	2	“ hereditary.....	2
Otitis media.....	22	Tæmia, solium.....	23
Ovaritis.....	16	Tinea, circuiata	6
Paralysis.....	4	Tonsilitis	227
Paraphymosis	2	Torticollis	7
Paraplegia.....	1	Ulcer of arm.....	8
Paresis.....	6	“ foot.....	45
Paroditis.....	9	“ hand.....	92
Paronychia	39	“ leg.....	213
Pharyngitis	119	“ not defined.....	18
Pediculi.....	9	Urethritis.....	7
Periostitis	17	Urticaria.....	7
Pertussis.....	43	Vaccine sores.....	44
Phthisis pulmonalis.....	120	Vaginitis.....	22
Pleurodenia	160	Varicella.....	17
Pneumonitis	25	Varicose veins.....	17
Prostatitis.....	1	Vertigo.....	21
Prolapsus recti.....	2	Wounds, contused.....	474
Prolapsus uteri.....	9	“ gunshot.....	105
Pruritis.....	12	“ incised.....	482
Ptyalism	3	“ lacerated.....	909
Pulmonary not defined.....	102	“ penetrating.....	30
Poisoning by bi. chl. Pot.....	1	“ poisoned.....	12
“ lye.....	1	“ punctured.....	104
“ morphine.....	5	“ scalp.....	660
“ rhus tox.....	18	“ not defined.....	79
Retention of urine.....	18	“ internal injuries.....	5
Retroversion of uterus.....	5	Number of persons vaccinated.....	371
Rheumatism.....	818		
Rhinitis.....	8	Total number of cases treated.....	15,329

TABLE NO. 2.

COMPARATIVE STATEMENT OF MONEY EXPENDED FOR MEDICINES FOR THE LAST TWO FISCAL YEARS.

	1890.	1891.
April	\$88 50	\$248 25
May.....	99 00	176 00
June.....	110 75	195 00
July.....	130 25	185 25
August.....	132 00	147 00
September	140 00	185 50
October.....	121 75	172 75
November.....	122 00	176 75
December.....	120 50	345 00
	1891.	1892.
January.....	193 50	272 00
February.....	185 00	335 00
March.....	238 50	262 50
	\$1,681 75	\$2,801 00

TABLE NO. 3.

COMPARATIVE STATEMENT OF PATIENTS SENT TO THE HOSPITALS AND EXAMINED
FOR INSANITY DURING LAST TWO FISCAL YEARS.

1890-91 Sent to City Hospital.....	6,915
1891-92 " " "	8,249
1890-91 " Female Hospital.....	1,870
1891-92 " " "	2,076
1890-91 " Quarantine Hospital.....	.....
1891-92 " " "	10
1890-91 " Small-pox Hospital.....	65
1891-92 " " "	21

INSANE REPORTS EXAMINED BY ORDER OF HEALTH COMMISSIONER.

1890-91.....	230
1891-92 ..	275

REPORT OF MEAT INSPECTOR

For the Fiscal Year Ending April 1st, 1892.

Hon. Wm. N. Brennan, M. D., Health Commissioner:

SIR — I have the honor to submit to you herewith a tabular statement of the work done by the Meat Inspectors, for the fiscal year commencing April 1st, 1891, and ending April 1st, 1892.

Visited and inspected during the month of April, 1891—

Cattle.....	33,410 head.	Hogs.....	100,550 head.
Sheep	14,400 “		
Meat shops.....	2,616	Fish stands.....	35
Slaughter houses.....	320	Stock yards	24
Pork and commission houses....	362	Market houses.....	64
Sausage factories.....	176	Wholesale beef establishments...	16

Total.....	3,613
Live poultry.....	2,300 coops.
Milk calves	440 head.

Total.....	2,740
Meats condemned, Veal.....	40 lbs.
“ “ Beef.....	440 “

Total.....	480 lbs.
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Dead and crippled in yard—

Cattle, 40 dead and	25 crippled.
Sheep, 42 “ “	33 “
Hogs, 298 “ “	343 “

And 12 lumped jawed cattle.

The dead cattle, sheep and hogs, lumped jawed cattle found in yards sold to the rendering establishments and used for tanking purposes. Meats condemned and mutilated sold or given to rendering establishments.

MAY.

Visited and inspected during the month of May, 1891 —

Cattle.....	69,940 head.	Meat shops.....	2,220
Sheep.....	69,400 “	Slaughter houses	229
Hogs.....	122,340 “	Pork and commission houses....	313
Meats condemned	1,500 lbs.	Sausage factories.....	150
Lumped jawed cattle....	10 head.	Fish stands.....	32
Scabby sheep.....	30 “	Stock yards.....	24
		Market houses.....	60

Wholesale beef and pork establishments	18
Live poultry.....	1,250 coops.
Milk calves	270

Dead and crippled in yards—

Cattle, 33 dead and	56 crippled.
Sheep, 45 “ “	57 “
Hogs, 371 “ “	401 “

The dead cattle, sheep and hogs in yards sold and used for tanking purposes.
The lumped jawed cattle used for tanking purposes,

JUNE.

Visited and inspected during the month of June, 1891 —

Cattle, 78,850,	30 dead and 53 crippled.		
Sheep, 57,370,	35 “ “ 46 “		
Hogs, 82,570,	293 “ “ 318 “		
Meat shops.....	1,915	Stock yards.....	17
Slaughter houses.....	230	Market houses.....	19
Pork and commission houses....	206	Wholesale beef and pork estab-	
Sausage factories.....	85	lishments.....	18
Fish stands.....	12		
Live poultry.....	1,040	coops and parcels.	
Milk calves.....	240	“ “	
Meats condemned.....	70 lbs.	of sausage meat.	
Cattle, sheep and hogs dead and crippled in yards.			
Cattle, 25 dead and 46 crippled.			
Sheep, 18 “ “ 94 “			
Hogs, 199 “ “ 209 “			

And lumped jawed cattle 4 head.

The dead cattle, sheep and hogs sold in the yards and used for tanking purposes. The sausage meats condemned given to feed dogs at dog pond.

JULY.

Cattle inspected.....	114,970	head.	
Sheep “.....	70,140	“	
Hogs “.....	69,670	“	
Visited and inspected during the month of July, 1891 —			
Meat shops.....	2,006	Stock yards.....	26
Slaughter houses.....	242	Market houses.....	24
Pork and commission houses....	212	Wholesale beef and pork estab-	
Sausage factories.....	99	lishments.....	24
Fish stands.....	12		
Live and dead poultry.....	1,554	coops.	
Milk calves.....	210	“	
Meats condemned.....	110	lbs.	
Cattle dead and crippled in yards—			
Cattle, 40 dead and 71 crippled.			
Sheep, 30 “ “ 62 “			
Hogs, 187 “ “ 197 “			
Lumped jawed cattle, none.			
Scabby sheep, none.			

The dead sheep, cattle and hogs and meats condemned sold in yards and used for tanking.

AUGUST.

Visited and inspected during the month of August, 1891 —

Cattle.....	74,740	head.	
Sheep.....	33,610	“	
Hogs.....	63,240	“	
Meat shops.....	2,552	Stock yards.....	30
Slaughter houses.....	241	Market houses.....	42
Pork and commission houses....	281	Wholesale beef and pork estab-	
Sausage factories.....	113	lishment.....	31
Fish stands.....	50		
Live and dead poultry.....	1,900	coops.	
Milk calves.....	610	head.	
Meats condemned.....	900	pounds.	
Cattle dead and crippled —			
Cattle, 40 dead and 70 crippled.			
Sheep, 39 “ “ 84 “			
Hogs, 103 “ “ 180 “			
Lumped jawed cattle, 23 head.			
Scabby sheep.			

The dead animals in yards and the meats condemned this month sold to the rendering establishments in both stock yards, the National and Union.

SEPTEMBER.

Visited and inspected during the month of September, 1891 —

Cattle.....	87,630 head.		
Sheep.....	28,460 "		
Hogs.....	78,480 "		
Meat shops.....	2,581	Fish stands.....	12
Slaughter houses.....	246	Stock yards.....	32
Pork and commission houses.....	220	Market houses.....	42
Sausage factories.....	108	Wholesale pork and beef estab..	39
Live and dead poultry.....			900 coops.
Milk calves.....			590 head.
Meats condemned.....			2,440 pounds.
Cattle dead and crippled in yards—			
Cattle, 43 dead and 74 crippled.			
Sheep, 97 " " 106 "			
Hogs, 244 " " 270 "			
Lumped jawed cattle, 3 heads.			
Scabby sheep.			

The dead cattle, sheep and hogs and all the meats condemned sold and used for tanking purposes by the dead animal contractors in the Union and National stock yards.

OCTOBER.

Visited and inspected during the month of October, 1891 —

Cattle.....	108,280 head.		
Sheep.....	34,160 "		
Hogs.....	137,700 "		
Meat shops.....	2,173	Fish stands.....	27
Slaughter houses.....	368	Stock yards.....	19
Pork and commission houses.....	257	Market houses.....	28
Sausage factories.....	101	Wholesale beef and pork estab..	37
Live and dead poultry.....			1,050 coops.
Milk calves.....			870 head.
Meats condemned.....			1,035 pounds.
Dead and crippled in yards —			
Cattle, 24 dead and 30 crippled.			
Sheep, 42 " " 43 "			
Hogs, 123 " " 111 "			
Lumped jawed cattle, 32.			
Scabby sheep.			

All dead animals and condemned meats used in the Stock by the dead animal contractors of the yards and used for tanking purposes.

NOVEMBER.

Visited and inspected during the month of November, 1891 —

Cattle.....	61,400 head.		
Sheep.....	27,130 "		
Hogs.....	141,250 "		
Meat shops.....	1,869	Fish stands and markets.....	36
Slaughter houses.....	234	Market houses.....	28
Pork and commission houses.....	252	Wholesale beef and pork estab-	
Sausage factories.....	92	lishments.....	35
Live and dead poultry.....			1,650 coops.
Milk calves.....			932 head.
Meats condemned.....			900 pounds.
Dead and crippled in yards—			
Cattle, 46 dead and 71 crippled.			
Sheep, 44 " " 68 "			
Hogs, 291 " " 328 "			
Lumped jawed cattle, 14 head.			
Scabby sheep, none.			
Stock yards inspected, 20.			

All the stock in good condition with the exception of the above mentioned.

The dead animals, all of the condemned meats, lumped jawed cattle sold to the tanking firms of the yards and used for tanking.

DECEMBER.

Visited and inspected during the month of December, 1891 —

Cattle.....	45,630 head.		
Sheep.....	13,420 "		
Hogs.....	125,060 "		
Meat shops.....	1,796	Fish markets and stands	47
Slaughter houses	240	Market houses.....	30
Pork and commission houses....	274	Wholesale beef and pork estab-	
Sausage factories.....	87	lishments.....	35
Live and dead poultry	2,900 coops and parcels.		
Milk calves.....	570 head.		
Meats condemned	4,300 pounds.		
Dead and crippled in yards —			
Cattle, 48 dead and 82 crippled.			
Sheep, 37 " " 52 "			
Hogs, 620 " " 523 "			
Lumped jawed cattle, 23 head.			
Scabby sheep, none.			
Stock yards inspected, 16.			

All stock in fair condition with the above exception. Dead cattle, sheep and hogs, meats condemned and lumped jawed cattle sold to the dead animal contractors in the stock yards and used for tanking purposes.

JANUARY.

Visited and inspected during the month of January, 1892 —

Cattle.....	46,150 head	Hogs.....	135,850 head.
Sheep.....	13,584 "		
Meat shops.....	2,165	Stock yards.....	27
Slaughter houses.....	242	Market houses.....	42
Pork and Commission houses....	338	Wholesale Beef and Pork Estab-	
Sausage factories.....	127	lishments.....	35
Fish stands.....	55		
Live and dead poultry	1,030 coops.		
Milk calves.....	760 head.		
Meats condemned.....	4,000 pounds.		
Dead and crippled in yards —			
Cattle, 45 dead and 72 crippled.			
Sheep, 37 " " 64 "			
Hogs, 554 " " 532 "			

Lump jawed cattle, none. Scabby sheep, 152 head.

The health of cattle, sheep and hogs, with the above exception, good and in fair condition. The meats condemned and all dead animals and lumped jawed cattle sold to rendering establishments at the yards and used for tanking purposes.

FEBRUARY.

Visited and inspected during the month of February, 1892 —

Cattle.....	30,956 head.	Hogs.....	99,158 head.
Sheep.....	9,360 "		
Meat shops	1,811	Stock yards.....	24
Slaughter houses.....	217	Market houses inspected.....	28
Pork and commission houses....	269	Wholesale beef and pork estab-	
Sausage factories.....	94	lishments.....	40
Fish stands.....	55		
Live and dead poultry	360 coops.		
Milk calves.....	222 head.		
Meats condemned.....	2,050 pounds.		
Dead and crippled in yards —			
Cattle, 22 dead and 58 crippled.			
Sheep, 24 " " 56 "			
Hogs, 240 " " 250 "			

Lump jawed cattle, 6 head. Scabby sheep, 60 head.

All live stock healthy and in fair condition with the above exception. All meats condemned and all dead animals and lumped jawed cattle sold to the rendering establishments in both stock yards.

MARCH, 1892.

Visited and inspected during the month of March, 1892 —

Cattle.....	45,390 head.	Pork and commission houses....	278
Sheep.....	14,500 "	Sausage factories.....	96
Hogs.....	10,376 "	Fish stands.....	51
Milk calves.,.....	910 "	Stock yards.....	25
Game and poultry.....	1,000 coops	Market houses.....	38
Meat shops.....	1,828	Wholesale beef establishments...	36
Slaughter houses.....	219		

Dead and crippled in yards —

Cattle, 23 dead and 31 crippled.

Sheep, 29 " " 43 "

Hogs, 210 " " 241 "

Scabby sheep, 5 head. Lumped jawed cattle, 7 head.

The health of live stock for the month of March in fair condition. The lumped jawed cattle condemned, and all the dead animals found in the yard sold to the dead animal contractors in the stock yards, and used for tanking purposes.

Respectfully submitted,

JOHN FINN,

Inspector and Acting Secretary.

	Cattle Inspected.	Sheep Inspected.	Hogs Inspected.	Milk Calves.	Poultry Coops.	Meat Shops Inspected.	Slaughter Houses Inspected.	Pork and Commission Houses Inspected.	Sausage Factories.	Fish Stands.	Stock Yards.	Market Houses.	W. H. Establish.	Dead Cattle.	Crippled Cattle.	Dead Sheep.	Crippled Sheep.	Dead Hogs.	Crippled Hogs.	Scabby Sheep.	Big Jawed Cattle.
April.....	33,410	14,460	100,550	440	2,300	2,616	320	362	176	35	24	64	16	40	25	42	33	298	343	...	...
May.....	63,940	63,400	122,340	270	1,250	2,220	229	313	150	32	24	60	18	33	56	45	57	371	401	30	...
June.....	78,850	57,370	82,570	240	1,040	1,915	230	200	85	12	17	19	18	25	46	28	94	199	209	...	4
July.....	114,970	70,140	69,670	210	1,550	2,006	242	212	99	12	26	24	24	40	71	30	62	187	197	...	...
August.....	74,740	33,610	63,240	610	1,900	2,552	241	281	113	50	30	42	31	40	70	39	84	163	180	...	23
September.....	87,630	28,460	78,486	590	900	2,588	246	220	108	12	32	42	39	43	74	97	106	260	270	...	3
October.....	108,280	34,160	137,700	870	1,050	2,173	368	257	101	27	19	28	37	24	30	42	43	123	111	...	32
November.....	61,400	27,130	141,250	932	1,650	1,869	234	252	92	36	19	28	35	35	46	71	44	291	328	...	14
December.....	45,630	13,420	125,060	670	2,900	1,796	240	274	87	47	30	30	35	48	82	37	52	602	523	...	23
1892.																					
January.....	46,150	13,584	135,850	704	1,030	2,165	242	338	127	55	37	42	35	45	72	37	64	554	532	162	...
February.....	30,954	9,360	99,358	222	560	1,811	217	269	94	55	24	28	40	22	28	24	56	260	250	60	6
March.....	45,390	14,500	103,760	910	1,000	2,828	219	278	96	51	25	38	37	23	31	29	43	210	241	5	7
Total.....	797,344	385,594	1,259,928	6,620	17,130	25,539	3,028	3,256	1,328	424	307	445	365	429	656	494	752	3,518	3,585	247	122

Meats condemned from April 1st, 1891, to April 1st, 1892 —

1891 — April, 4,800; May, 1,500; June, 70; July, 110; August, 900; September, 2,400; October, 1,035; November, 900; December, 4,300 pounds.

1892 — January, 4,000 pounds; February, 2,050 pounds; March, none. Total amount, 17,785 pounds.

All of the above meats condemned, mutilated and used for tanking purposes, with the exception of about 200 pounds, dumped in the river and to the dog pond for the use of dogs.

Your inspector would further report that they have inspected about 2,000 rabbits and a large number of ducks, geese and other small poultry and game which they had dumped in the river.

Respectfully submitted,

JOHN FINN,

Inspector and Acting Secretary.

REPORT OF THE MILK INSPECTOR

For the Year Ending April 1, 1892.

Hon. E. A. Noonan, Mayor:

April 1, 1892.

SIR — I herewith submit my annual report as Milk Inspector. There were 1000 samples of milk and cream submitted for inspection and analysis; 510 were analyzed; 150 samples were submitted by citizens. The number of complaints entered in police court was sixteen; one case was nolle-prossed.

While there is still a great deal milk adulteration practiced, the supply of pure and whole milk has generally increased the inshipments of country milk, having very nearly increased double those of last year. A great quantity of skimmed milk is yet being sold in open market, the office not having a sufficient complement of officers to prevent it.

When our last report was made it was expected that a new milk law would duly be passed to augment the capacity of the present system of inspection and enable the strict enforcement of the ordinance. The proper legislation however is yet wanting, the bill introduced in the House of Delegates last June, having failed of the purpose and unless the staff of deputies or assistant milk inspectors shall be enlarged to maintain constant vigilance and proper control over the avenues of trade, the great benefit to be derived from municipal milk inspection cannot be fully estimated by the people.

Any legislation proposed in connection with the inspection of milk, to be meritorious of consideration, must reform abuses which exist in many places; as regards the feeding and keeping of cows, and the location of dairy stables; especially is this true, when we find in the Fifth, Seventh, Ninth, Eleventh and Twenty-third wards so many objectionable dairy locations, and such crude ideas prevalent in the matter of hygiene. These wards compose a business and manufacturing territory populated by about ninety-nine thousand persons; and the three thousand cows so situated should be relegated to the suburbs, there certainly being no superior advantages in the production of milk under the conditions to be frequently met with in these wards.

The aim of milk legislation in general is to procure a healthful, pure and nutritious article for family use; to that end there must be inaugurated veterinary inspections of herds, and sanitary inspections of dairy premises and all sales-places of milk. We hope the matter will eventually appear of sufficient importance to law makers to claim their attention on behalf of the people.

FISCAL ITEMS.

By appropriation, salaries.....	\$2,500 00	
Office expenses.....	1,000 00	
Total.....		\$3,500 00

EXPENDITURES.

To salaries, Inspector and Deputy.....	\$2,418 51	
Expenses, livery.....	\$ 103 50	
Drugs and chemicals.....	44 65	
Repairs.....	24 25	
Typewriter rent.....	15 00	
		\$187 40
To Balance.....		\$2,605 91
		894 09
		\$3,500 00

Respectfully submitted

JAMES E. SULLIVAN, M. D.,
Milk Inspector.

St. Louis, April 11, 1892.

Dr. James E. Sullivan, City Milk Inspector:

SIR— I herewith submit my annual report as dairy inspector as follows:

There are within the limits of the city, three hundred and sixty-eight dairies, located in each ward respectively to wit:

Wards.	Dairies.	No. of Cows.	Wards.	Dairies.	No. of Cows.
5.....	3	58	20.....	1	30
6.....	7	54	22.....	1	10
7.....	24	404	23.....	26	710
9.....	20	386	24.....	1	4
11.....	93	2,380	25.....	11	302
12.....	1	3	26.....	99	3,244
13.....	16	80	27.....	39	1,055
14.....	2	7	28.....	10	168
16.....	4	63			
18.....	10	141	Total.....	368	9,099

In the district west of Grand avenue the animals are better provided for on account of having more room, large lots and pastures for their feeding and exercise.

In the district east of Grand avenue, the dairies are more or less cramped for sufficient room, stables generally small and dilapidated, with poor ventilation, no lots attached for the use of the cows, compelling them to be kept up and confined from the time they are taken there until let out for the slaughter house.

The feed of the dairy cows consists mainly of corn bran, clover, hay, wheat bran, shipstuff, malt, grains and sprouts, grass, and in a majority of cases slop or distillery waste.

Respectfully submitted,

JOS. LABARGE,
Dairy Inspector.

UNIVERSITY OF ILLINOIS-URBANA



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